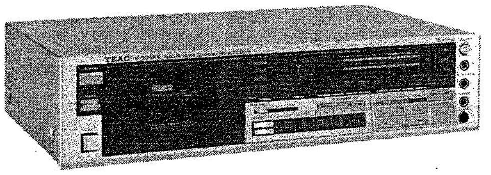
TEAC®



SERVICE MANUAL

V-909RX
V-707RX/V-707R

Auto-Reverse Stereo Cassette Deck

注：V-707RXの国内モデルは製造されておりません．

CAUTION

⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components — refer to the appropriate parts list and ensure exact replacement.

注　意

⚠印は安全重要部品です．交換する時は必ずティアック指定の部品を使用してください．

Effective: May, 1983. B30134

5704017100

1 SPECIFICATIONS AND SERVICE DATA

仕様およびサービス・データ

Notes:

1. Inprovements may result in changes in specifications and service data.
2. 0 dB is referenced to 0.775 V in this manual.

SPECIFICATIONS

Track system 4-track, 2-channel stereo

Heads 3: 2 Erase and Record/playback

Type of tape Cassette tape, C-30 to C-90 (Philips type)

Tape speed 4.76 cm/s (1-7/8 ips)

Input (level and impedance)

- **MIC:** Specified input level: −57 dB (1.09 mV)/10 kohms
  - Minimum input level: −67 dB (346 μV)
- **LINE IN:** Specified input level: −9 dB (275 mV)/50 kohms
  - Minimum input level: −19 dB (86.9 mV)

Output (level and impedance)

- **OUTPUT:** Specified output level: −5 dB (436 mV)/50 kohms
- **PHONES:** Specified output level: −18 dB (97.5 mV)/8 ohms

Equalization

- **METAL:** 3180 μs + 70 μs
- **CrO$_2$:** 3180 μs + 70 μs
- **NORMAL:** 3180 μs + 120 μs

Head configuration

1/2-track, 1-channel erase head (2 used)
1/4-track, 2-channel record/playback head

Motors 1 DC servo motor (for capstan drive)
1 DC motor (for reel drive)
1 DC motor (for ancillary control)

Bias method AC bias recording 85 kHz

Operation position Horizontal

Power requirements

			V-909RX	V-707RX	V-707R
DM	100 VAC	50/60 Hz	32 W	–	24 W
USA/canada	120 VAC	60 Hz	32 W	27 W	–
Europe	220 VAC	50 Hz	32 W	–	24 W
U.K/Australia	240 VAC	50 Hz	32 W	27 W	–
General export models					
	100/120/220/240 VAC	50/60 Hz	32 W	27 W	24 W

Weight 6.5 kg (14-5/16 lbs.) net for V-707RX/V-707R
7.0 kg (15-7/16 lbs.) net for V-909RX
8.5 kg (18-12/16 lbs.) with woodcase

Dimensions See Fig. 2-2

- Dolby Noise Reduction manufactured under license from Dolby Laboratories Licensing Corporation.
  "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
- dbx Noise Reduction System made under license from dbx Incorporated. The name "dbx" and the dbx symbol are trademarks of dbx Incorporated.

注：

1. 仕様及び外観は，改善のため予告なく変更することがあります．
2. このマニュアルで0dBは0.775Vを示します．

SERVICE DATA

MECHANICAL

Tape speed deviation 3,000 Hz ±45 Hz

Tape speed drift 30 Hz

Wow and flutter

- **Playback:** 0.07% (WRMS)
- **Record/playback:** 0.25% (RMS)

Pinch roller pressure 290 g ±40 g (8.8 oz to 11.6 oz)

Reel Torque

- **Take-up (FWD/REV):** 35 to 55 g-cm(0.49 to 0.76 oz-inch)
- **Supply in (FWD/REV):** 2.2 to 4.5 g-cm(0.031 to 0.062 oz-inch)
- **F.F. and REW:** 80 to 150 g-cm(1.1 to 2.1 oz-inch)

Fast winding time

90 seconds for MTT-501 (C-60)

ELECTRICAL

Frequency response

See Figs. 5-3 to 5-6.

Signal-to-noise ratio

- **Playback:** NORMAL: 46 dB min.
- **Overall:** METAL, CrO$_2$: 44 dB min.
  NORMAL: 43 dB min.

Erase efficiency 65 dB min. at 1 kHz (measured with input 10 dB higher than the specified input level)

Channel separation 30 dB min. at 1 kHz

Adjacent track crosstalk 40 dB min. at 125 Hz

Total harmonic distortion 2.2% or less with METAL and CrO$_2$ tapes
2.0% or less with NORMAL tape

＊ドルビー・ノイズ・リダクション・システムは，ドルビー研究所からの実施権に基づき製造されています．

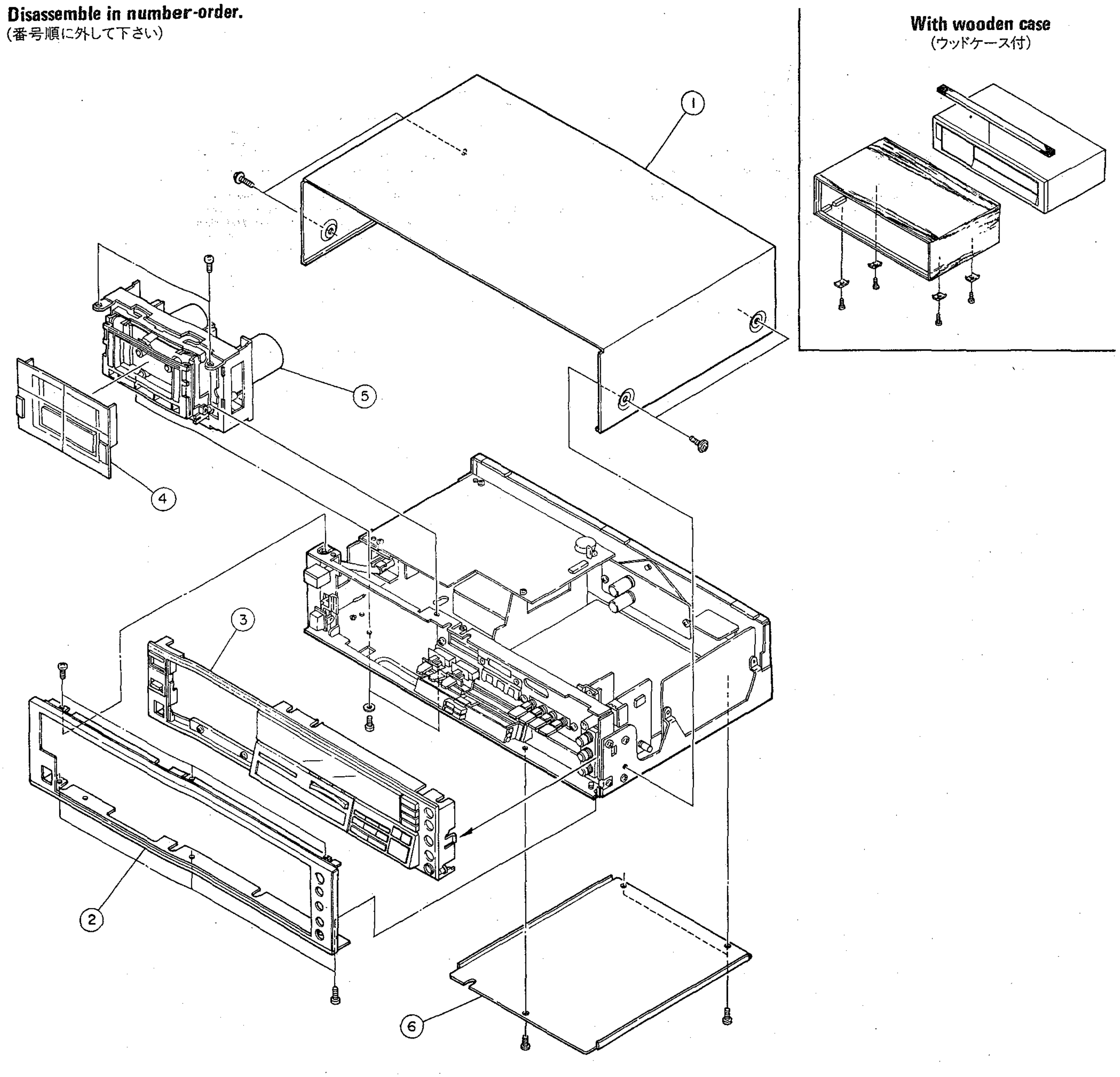
＊ドルビー及びDD，ドルビー研究所の登録商標です．

＊dbxおよびdbxマークは，dbxインコーポレーテッドの登録商標です．

＊dbxシステムは，dbxインコーポレーテッドの実施権に基づいて製造されています．

2 CASE AND FRONT PANEL REMOVAL

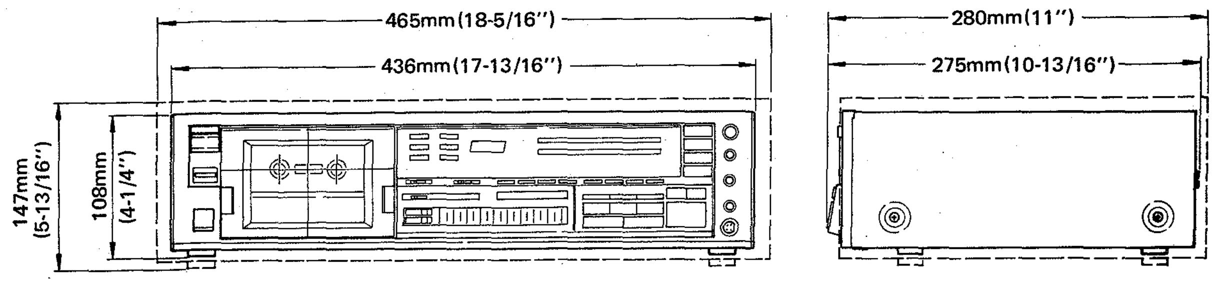
外装部品の外し方



Disassemble in number-order.
(番号順に外して下さい)

With wooden case
(ウッドケース付)

Fig. 2-1



465mm(18-5/16")
436mm(17-13/16")
280mm(11")
275mm(10-13/16")
147mm (5-13/16")
108mm (4-1/4")

Broken line indicates the dimensions of some general export models.
(破線はウッドケース付のある輸出モデルの寸法を示す)

Fig. 2-2 Dimensions

3 PARTS LOCATION

部品配置図

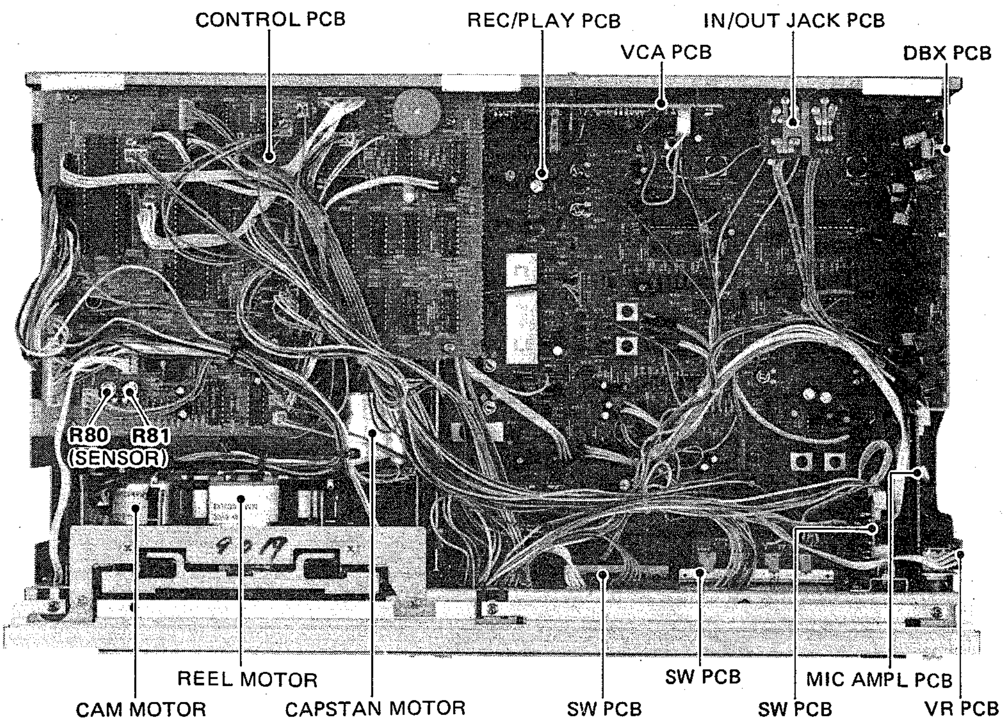

CONTROL PCB
REC/PLAY PCB
IN/OUT JACK PCB
VCA PCB
DBX PCB
R80
R81
(SENSOR)
REEL MOTOR
CAM MOTOR
CAPSTAN MOTOR
SW PCB
SW PCB
MIC AMPL PCB
SW PCB
VR PCB

Fig. 3-1 Top view(V-909RX)
(上面)

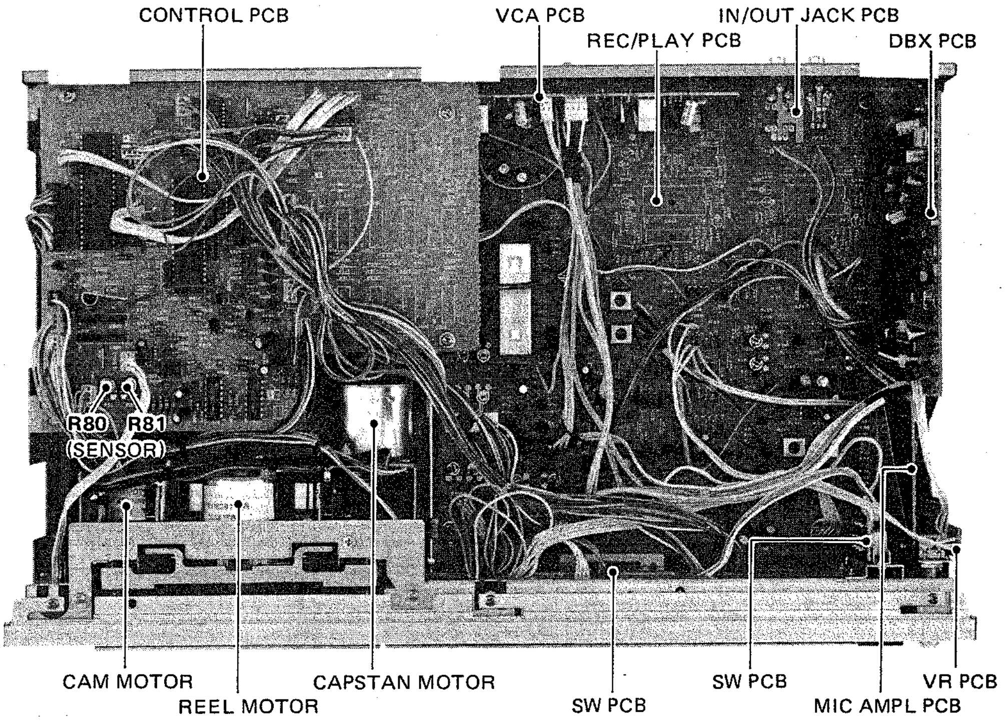

CONTROL PCB
VCA PCB
IN/OUT JACK PCB
REC/PLAY PCB
DBX PCB
R80
R81
(SENSOR)
CAM MOTOR
CAPSTAN MOTOR
REEL MOTOR
SW PCB
SW PCB
VR PCB
MIC AMPL PCB

Fig. 3-2 Top view(V-707RX)
(上面)

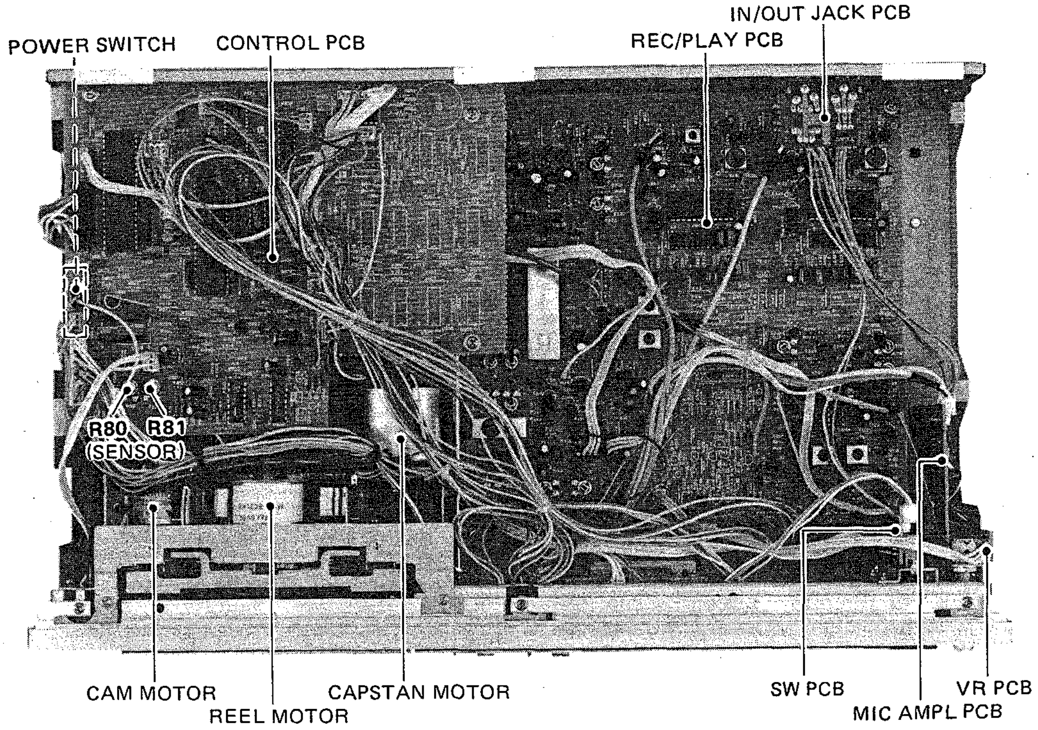

IN/OUT JACK PCB
POWER SWITCH
CONTROL PCB
REC/PLAY PCB
R80
R81
(SENSOR)
CAM MOTOR
REEL MOTOR
CAPSTAN MOTOR
SW PCB
VR PCB
MIC AMPL PCB

Fig. 3-3 Top view(V-707R)
(上面)

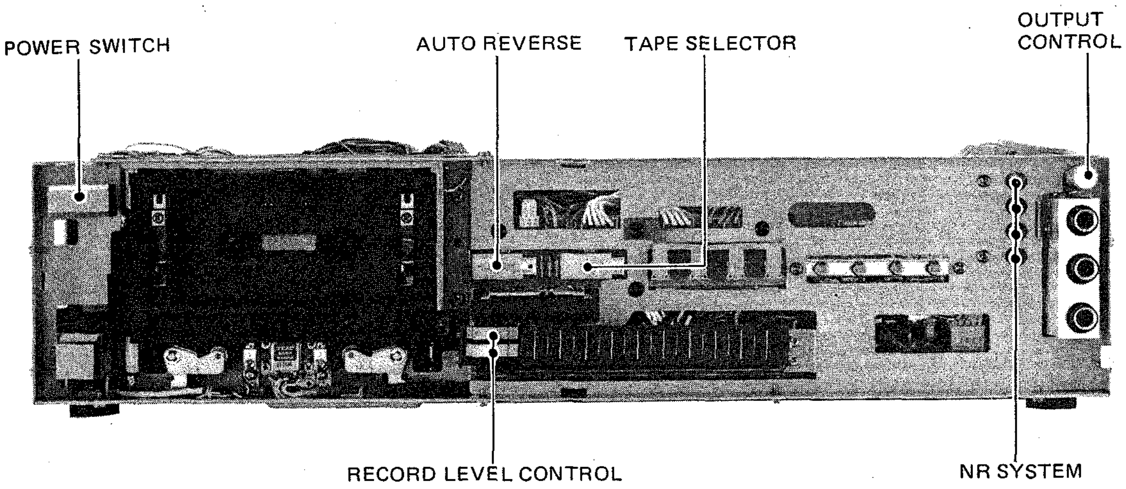

POWER SWITCH
AUTO REVERSE
TAPE SELECTOR
OUTPUT CONTROL
RECORD LEVEL CONTROL
NR SYSTEM

Fig. 3-4 Front view(V-909RX)
(前面)

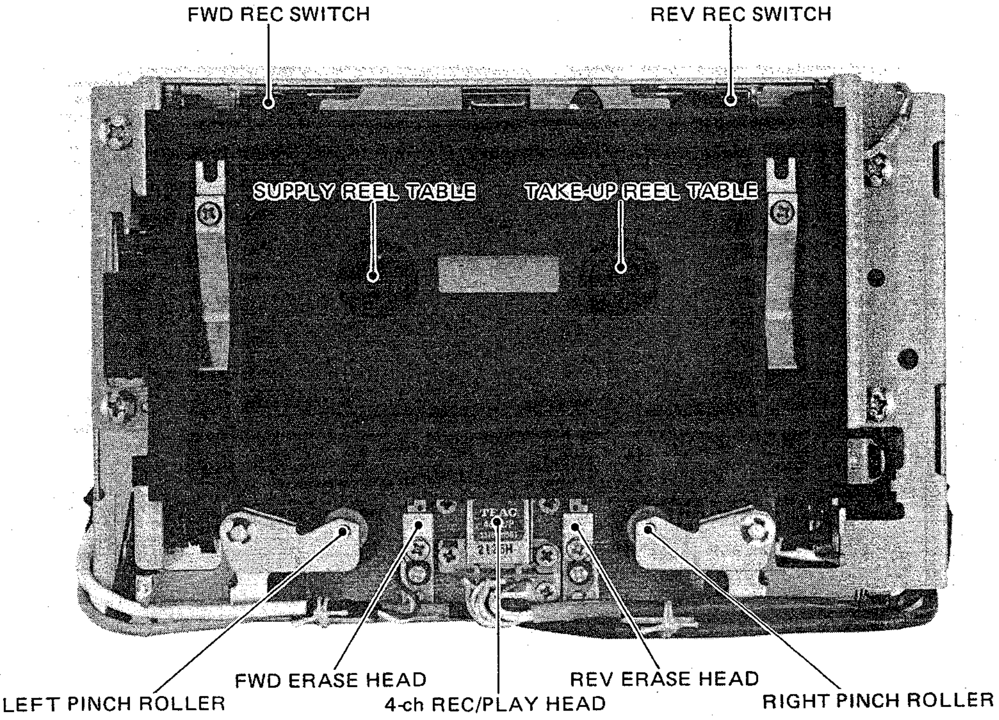

FWD REC SWITCH
REV REC SWITCH
SUPPLY REEL TABLE
TAKE-UP REEL TABLE
LEFT PINCH ROLLER
FWD ERASE HEAD
4-ch REC/PLAY HEAD
REV ERASE HEAD
RIGHT PINCH ROLLER

Fig. 3-5 Transport front view
(トランスポート前面)

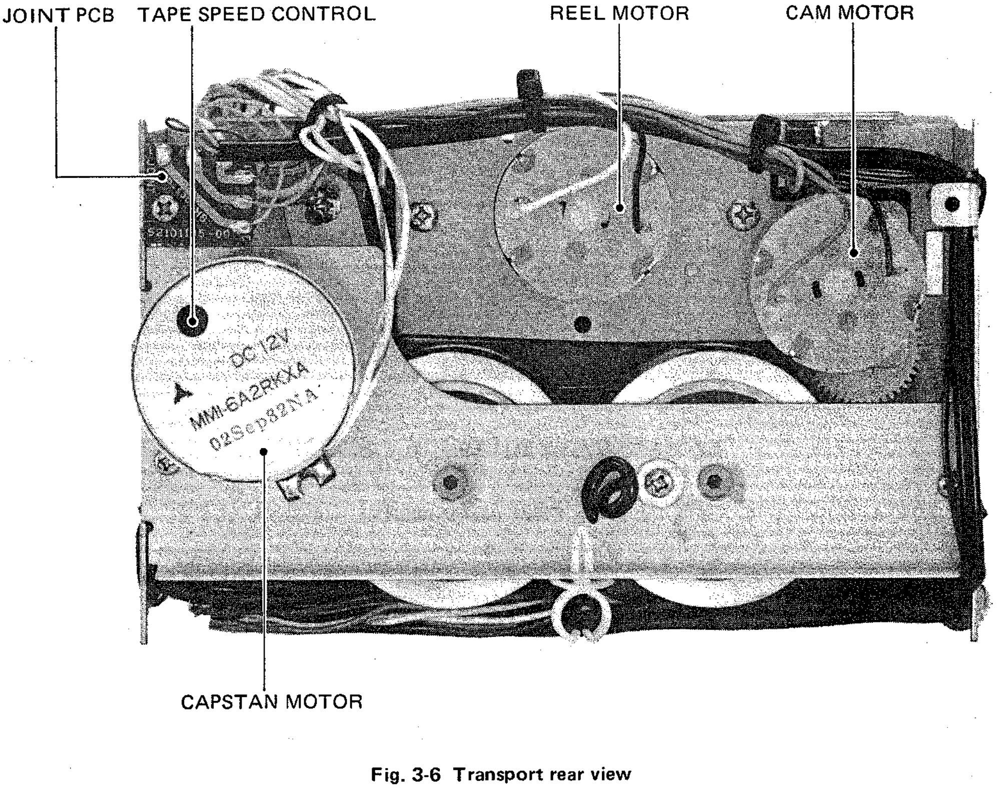

JOINT PCB
TAPE SPEED CONTROL
REEL MOTOR
CAM MOTOR
CAPSTAN MOTOR
DC 12V
MMI-6A2RKXA
02Sep82NA

Fig. 3-6 Transport rear view
(トランスポート裏面)

4 MECHANICAL ADJUSTMENTS AND CHECKS

機構部の調整と確認

4-1 REEL TORQUE

1. Load a cassette torque meter on the deck and read the pointer indication on the dial scale of the meter for each tape tranport operation. The measured torque should be within the following values:

   Take-up (FWD/REV): 35 to 55 g-cm(0.49 to 0.76 oz-inch)
   (The variation of the pointer indication should be within 15 g-cm).
   Supply (FWD/REV): 2.2 to 4.5 g-cm(0.031 to 0.062 oz-inch)
   (The variation should be within 1 g-cm)
   F.F. and REW: 80 to 150 g-cm(1.1 to 2.1 oz-inch)

4-2 PINCH ROLLER PRESSURE

1. With the cassette holder closed and no tape loaded, put the deck in the forward play mode.
2. Hook a spring scale on the right pinch roller assembly.
3. Pull the scale down until there is sufficient force to separate the pinch roller from the capstan shaft.
4. Release the pressure until the pinch roller makes just enough contact with the capstan shaft for the pinch roller to begin to turn. At this point, note the reading on the scale. It should be 290 g ± 40 g (8.8 oz to 11.6 oz.)
5. Repeat the above procedure with the following exceptions.

Tape motion:	Reverse play mode
Pinch roller:	Left side

4-3 TAPE SPEED

Note: The following checks should be performed for both forward and reverse play operations.

1. Connect a frequency counter to the deck as shown in Fig. 4-2.
2. Play a tape for more than five minutes to warm up the deck, then load a TEAC MTT-111 test tape containing a 3000 Hz test tone and play the test tape.
3. The following adjustment should be made at the beginning of reverse play (When the tape is fully wound). Use a common slotted screwdriver with the handle completely insulated from the blade and adjust the control on the capstan motor (see Fig. 3-6) for a reading of 3000 Hz ±5 Hz on the frequency counter.
4. Play the tape from the beginning to the end, and check that the speed never deviates more than ±45 Hz from 3000 Hz, nor drifts more than 30 Hz at any given time. Check also that the speed differences between forward and reverse play measured at the beginning, middle, and end of the tape are within 1% (30 Hz).

4-1 リール・トルク

テイク・アップ・トルク	35～55g·cm　注1
バック・テンション・トルク	2.2～4.5g·cm　注2
F・FWD・REWトルク	80～150g·cm

注1：トルクムラ15g·cm以内　注2：変動巾1g·cm以内

4-2 ピンチローラ圧着力

250g～330g	戻し法による測定値

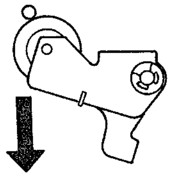


Fig. 4-1

4-3 テープ速度調整

MTT-111テープを再生し,テープ速度が3000Hz±45Hzの範囲でその変動巾が30Hz以内，及び速度偏差の方向差（テープの巻始め，中間，終端で測定しFWD, REVの差）が30Hz以内であることを確認する.

調整個所　キャプスタン·モータ内の半固定抵抗(Fig.3-6参照)

調整値　モータ·スタート後,約1分の時,3000～3010Hz,モータ·スタート後5分以上経過している時は3000Hz±5Hzにセットする.いずれもREVの巻始めで測定する.

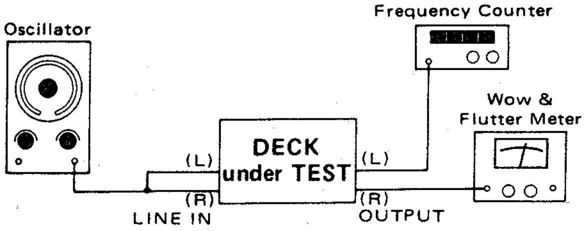


Fig. 4-2

4-4 WOW AND FLUTTER

Notes: 1. The following procedures should be performed in both the forward and reverse modes.
2. These measurements should be made at the beginning, middle, and end of the tape.

1) PLAYBACK

1. Connect a wow-and-flutter meter to the deck as shown in Fig. 4-2.
2. Load and play a TEAC MTT-502 test tape.
3. Check that the reading on the wow-and-flutter meter is within 0.07% (WRMS).

2) RECORD/PLAYBACK

4. Load a TEAC MTT-502 test tape (blank) and record a 3000 Hz signal.
5. Rewind the tape to the beginning of the recorded section and play it back.
6. The wow and flutter should not be more than 0.25% (RMS).

4-5 CAM GEARS

The mounting position relationship among the three cam gears (cam gear F, cam gear R and relay gear) is special. Therefore, their installation should be performed in the following order.

1. Move pinch roller actuating lever F and head base assembly as shown by the arrows.
2. Mount cam gear F so that its indicated hole (*) lines up with the hole on the transport chassis. Then relax the above-moved two parts moved in step1.
3. Mount the other two gears by lining up their markers as shown.
   Note: When mounting cam gear R, pinch roller actuating lever R should be moved in the direction of the arrow.

4-4 ワウ・フラッタ

再生法	WRMS	0.07%以内	MTT-111使用
録再法	RMS	0.25%以内	MTT-502使用

4-5 カム・ギアのセッティング

テープ・トランスポート部のFカム・ギア、Rカム・ギア及びリレー・ギアの取付位置はそれぞれ相関関係がありますから、次の手順に従って取付けてください．

1．ヘッド・ベースAssyが最も下がった状態（STOP位置）であることを確認する．
2．ピンチ作動レバーFを矢印方向に押す．Fig.4-3は押した状態を示す．
3．Fカム・ギアのインジケータ穴Aと、テープ・トランスポート・シャーシの位置合せ穴BとがFカム・ギアを取付ける．
4．リレー・ギア及びRカム・ギアを取付ける．
このとき、3個のギアのマーカが一直線上に並ぶように取付けること．
尚、Rカム・ギアを取付ける場合は、ピンチ作動レバーRを矢印の方向に押しながら取付けること．

Viewed from the rear of the transport chassis
(トランスポートシャーシ後面図)

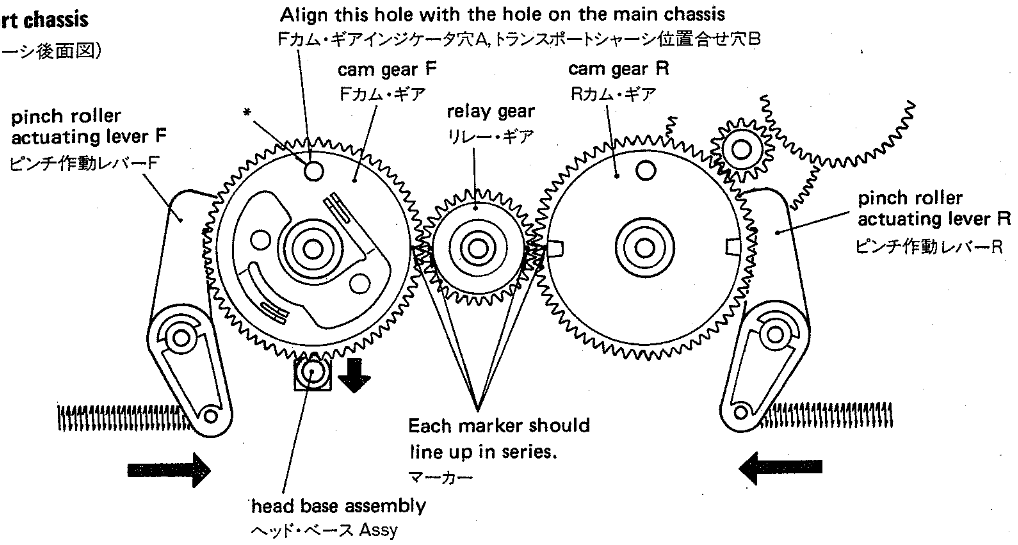

Align this hole with the hole on the main chassis
Fカム・ギアインジケータ穴A, トランスポートシャーシ位置合せ穴B
cam gear F
Fカム・ギア
cam gear R
Rカム・ギア
*
relay gear
リレー・ギア
pinch roller actuating lever F
ピンチ作動レバーF
pinch roller actuating lever R
ピンチ作動レバーR
Each marker should line up in series.
マーカー
head base assembly
ヘッド・ベース Assy

Fig. 4-3 Cam gears
(カム・ギア)

4-6 QUICK REVERSE OPERATION

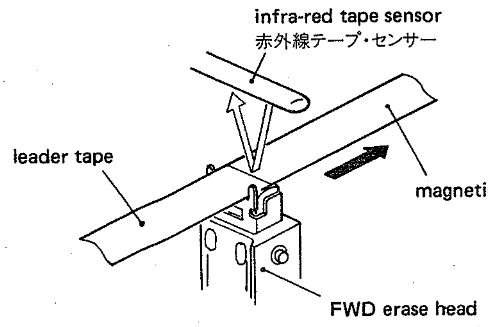

infra-red tape sensor
赤外線テープ・センサー
leader tape
magnetic tape
FWD erase head

Fig. 4-4

4-6-1 Operating conditions

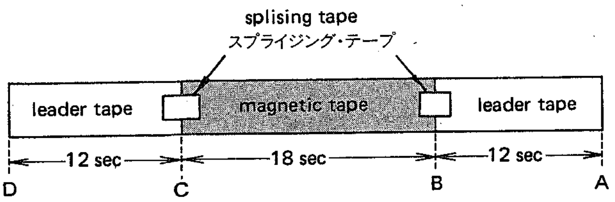

splising tape
スプライシング・テープ
leader tape
magnetic tape
leader tape
12 sec
18 sec
12 sec
D
C
B
A

Fig. 4-5

1. Check that the deck performs the following operations, depending on the position of the AUTO REVERSE selector, when the joint between leader tape and magnetic tape passes the FWD erase head (below the sensor) more than 15 seconds after the tape was started (in either direction):
   - ═ : During forward play, the tape should be played between A and C and then stop. In reverse direction, the tape should be played between C(D) and B and then stop.
   - ⊐ : The tape should be played from A(B) to C, where direction is reversed. Playback should then continue up to B and stop.
   - ⊂⊃ : The tape should be played from A(B) to C, reverse direction and then repeatedly be replayed between B and C in both directions.
2. If the junction between leader and magnetic tape passes the FWD erase head within 15 seconds after starting the tape, the tape should not be stopped nor direction reversed. Instead, playback should continue to the end of the tape, where it should either stop or reverse direction.
3. During recording, ⊐ and ⊂⊃ should provide the same kind of operation.

4-6-2 Circuit adjustments (See Fig. 3-1)

Adjust the QUICK REVERSE circuit as follows:

Turn R81(semi-fixed, 200 kohms (B)) on the control PCB fully clockwise (viewed from above).

Insert a MTT-501 test tape and play the magnetic tape portion, adjusting R80(semi-fixed, 10 kohms (B)) so that a voltage of 3 V is obtained at the No.1 terminal of U807. If adjustment by R80 alone proves impossible, use R81 to obtain 3 V.

4-6 クイック・リバース動作

4-6-1 動作条件

1. FWDあるいはREVプレイ動作後15秒以上経過して，スプライシング・テープがFWDの消去ヘッドの前（センサーの前）を通過した時AUTO REVERSEの設定位置により次の動作をすること（Fig.4-5参照）
   - ═：FWD時はA－C間をプレイし停止，REV時はC(D)－B間をプレイし停止すること．
   - ⊐：A－B－Cをプレイし反転，B点で停止すること．
   - ⊂⊃：A－B－Cをプレイし反転，以後B－C間を繰返すこと．
2. FWDあるいは，REVプレイ動作後15秒以内の場合はスプライシング・テープがFWD消去ヘッドの前を通過しても停止あるいは反転せずテープエンド迄プレイし停止あるいは反転動作になること．
3. 録音時には⊐と⊂⊃は同じ動作となる．

4-6-2 回路調整

クイック・リバース回路の調整は次の手順で行う．

コントロール基板のR81（半固定）200kΩ（B）を上から見て右一杯にまわす．（Fig.3-1参照）

MTT-501をセットし，磁気テープ部分を走行させながら，U807の一番端子（又はR834の端子）の電圧が3Vになるよう R80（半固定），10kΩ（B）を調整する．もしR80で調整不可能の時はR81で3Vにセットする．

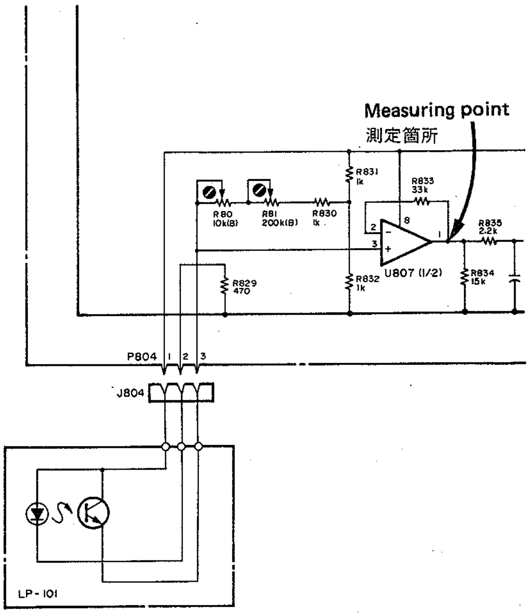

Measuring point
測定箇所
R831 1k
R833 33k
R80 10k(B)
R81 200k(B)
R830 1k
2
3
8
1
R835 2.2k
U807 (1/2)
R829 470
R832 1k
R834 15k
P804
1
2
3
J804
LP-101

Fig. 4-6

4-7 HEAD ALIGNMENT

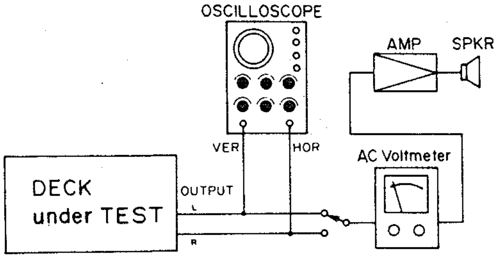

OSCILLOSCOPE
AMP
SPKR
VER
HOR
AC Voltmeter
DECK under TEST
OUTPUT
L
R

Fig. 4-7 Test setup for azimuth check
(アジマスチェック接続)

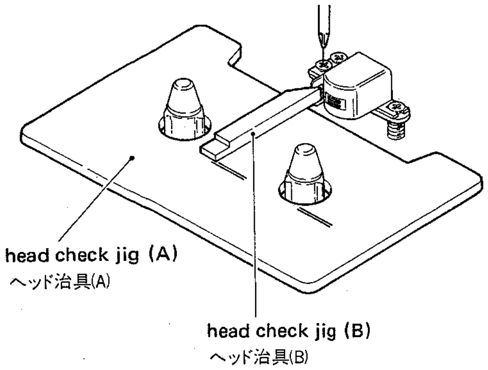

head check jig (A)
ヘッド治具(A)
head check jig (B)
ヘッド治具(B)

Fig. 4-8 Head height adj.
(ヘッド高さ調整)

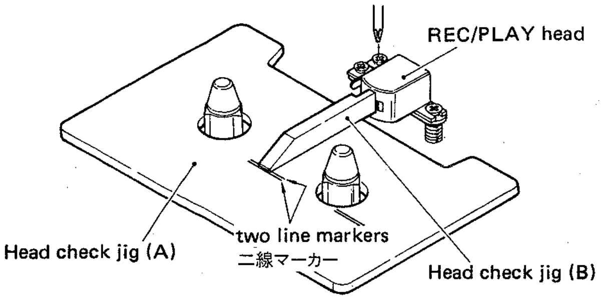

REC/PLAY head
Head check jig (A)
two line markers
二線マーカー
Head check jig (B)

Fig. 4-9 Tilt adj.
(あおり調整)

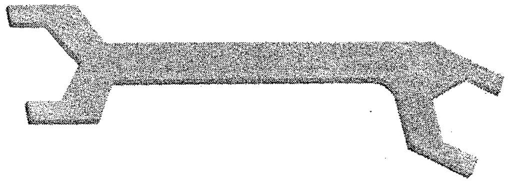


Fig. 4-10 Adjustment spanner (TEAC P/N 5736006800)
(調整スパナー)

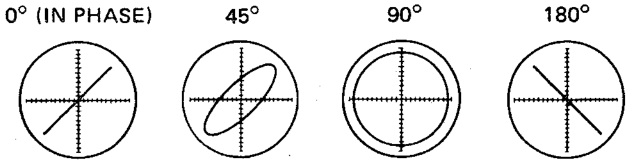
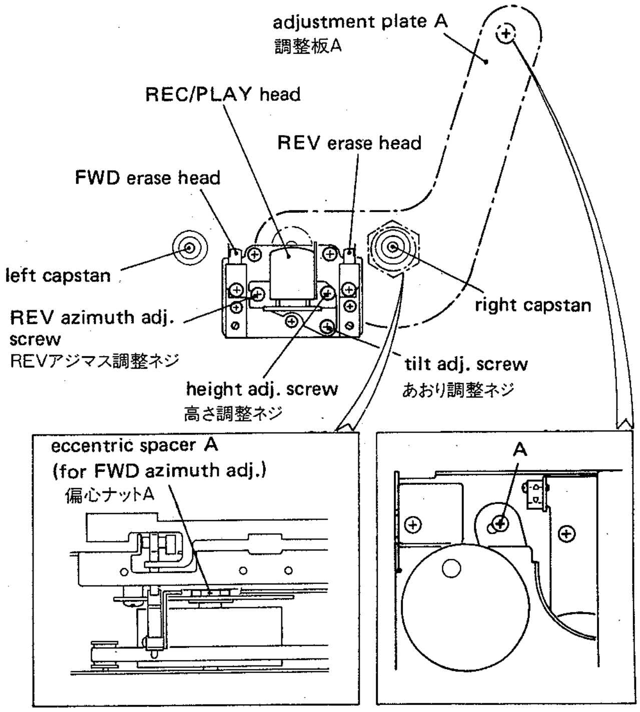

0° (IN PHASE)
45°
90°
180°

Fig. 4-11 Confirming phase relationship
(位相関係図)


adjustment plate A
調整板A
REC/PLAY head
REV erase head
FWD erase head
left capstan
right capstan
REV azimuth adj. screw
REVアジマス調整ネジ
tilt adj. screw
あおり調整ネジ
height adj. screw
高さ調整ネジ
eccentric spacer A
(for FWD azimuth adj.)
偏心ナットA
A

Viewed from the top of the transport chassis.
トランスポート上面図

Viewed from the rear of transport chassis.
トランスポート後面図

Fig. 4-12 Head construction

Note: To perform the following alignment, special tools (jigs) are required.
Head check jig(A) (TEAC P/N 5736006600)
Head check jig(B) (TEAC P/N 5736006700)
Adjustment spanner (TEAC P/N 5736006800)

1. Connect the deck to the test equipment as shown in Fig. 4-7.
2. Press the EJECT button to open the cassette holder.
3. Insert the head check jig(A) into the cassette holder very carefully until its bottom edge rests on the bottom of the cassette holder.
4. Close the cassette holder and push the jig in firmly.
5. Select forward or reverse play mode to raise the heads.
6. Press the head check jig(B) firmly to the head check jig(A) as shown in Fig. 4-8, and adjust the REC/PLAY head height by turning the height adj. screw so that the head check jig(B) can just pass through smoothly between the tape guides.
   Be sure that the final turn of the screw is in the clockwise direction (same for all subsequent adjustments of screws).
7. In the same way as above, press the head check jig(B) to the head check jig(A) as shown in Fig. 4-9, and turn the tilt adj. screw of the REC/PLAY head so that the head surface is exactly perpendicular to the head check jig(B). Check, on this occasion, that the top of the head check jig(B) is in the range of the two indicated line markers.
8. Repeat steps 6 and 7 until both height and tilt adjustments are complete.
9. Load a TEAC MTT-150 test tape and play it in the reverse direction.
10. Make sure that the phase relationship between L-ch and R-ch signals is within 45 degrees on the oscilloscope.

11 Load a TEAC MTT-356 test tape and play its 12.5 kHz signal section in the reverse direction.

12. Turn the REC/PLAY head's REV azimuth adj. screw so that the playback output levels of both channels are at the maximum value.
13. Loosen the screw indicated by A in Fig. 4-12.
14. Repeat steps 9 through 12 with these exceptions: To turn the eccentric spacer, use the adjustment spanner especially prepared by TEAC.
    Tape motion: Forward play mode.
    Azimuth adjuster: Eccentric spacer A in Fig. 4-12.
15. Recheck whether the REC/PLAY head's azimuth in reverse play is correct.
16. After completion of both forward and reverse azimuth adjustments, retighten screw A.

4-7 ヘッド調整

注：この調整を行なうためには次の治具が必要です.
ヘッド治具(A)　P/N.　5736006600
ヘッド治具(B)　P/N.　5736006700
調整スパナー　P/N.　5736006800

1.Fig.4-7のようにデッキを接続する.
2.EJECTを押しカセットホルダーを開く.
3.注意してヘッド治具(A)を入れる.
4.カセットホルダーを閉じた後その治具を内側へ押す.
5.ヘッドをあげるためプレイボタンを押す.
6.Fig.4-8のようにヘッド治具(B)をヘッド治具(A)に圧着させ，その治具(B)が録·再ヘッドのテープ·ガイドの間をスムーズに通り抜けるよう録·再ヘッドの高さ調整ネジを調整する. 最後にネジは締め方向に回して調整を終ること（以下他の調整ネジも同様）.
7.上記と同様の方法で治具(B)をFig.4-9のように圧着させあおり調整を行う，同時に治具(B)の先端が二線マーカーの範囲内にあることをチェックする.
8.上記6項，7項を繰り返し高さ及びあおりの両方を満足させる.
9.テスト·テープMTT-150をREV方向へプレイする.
10.L-chとR-chの位相差が45°以内であることを確認する.
11.テスト·テープMTT-356の12.5kHz区分をREV方向へプレイする.
12.録·再ヘッドのREVアジマス調整ネジをまわし，L-ch，R-ch共最大出力になるよう調整する.
13.Fig.4-12の調整板の取付ネジAをゆるめる.
14.上記9項より12項を繰り返す(走行方向はFWDとし，アジマス調整はFig.4-12の偏心ナットAをまわし，L-ch R-ch共最大出力になるよう調整する).
15.REV方向でプレイし，録·再ヘッドのアジマスが正しいかどうか再確認をする.
16.FWD及びREV両方のアジマス調整が完了したら調整板の取付ネジAを締めて固定する.

4-8 TAPE PATH CHECK

1. Load and play a TEAC MTT-902 mirror tape (C-90) and check for any noticeable tape curling on the sides of the record-playback head guide.
2. Adjust the height of the REC/PLAY head when curling is evident.

4-9 AUTO FADER OPERATION CHECK (V-909RX)

1. FADE IN operation can be activated from record-pause mode.
2. FADE OUT operation can be activated from record and FADE IN modes.
3. FADE OUT operation will be cancelled when the FADE IN control button is pressed during the FADE OUT operation, but FADE IN operation is not enterd.
4. FADE IN and FADE OUT operation will be cleared if the other tape transport control buttons are pressed during the AUTO FADER operation.
5. FADE IN/FADE OUT time(T) can be set up to at least 5 seconds with the FADE SPEED control at MAX position.

4-8 テープ走行チェック

ミラー·テープを走行させ，録·再ヘッドのガイドでテープがカールしないことを確認する．カールする場合は再度ヘッド高さを調整する．

4-9 オートフェーダーの動作チェック(V-909RX)

1.フェードインは録音一時待機状態から動作すること．

2.フェードアウトは録音状態(フェードイン動作中も含む)のとき動作すること．

3.フェードアウト動作中FADE INボタンを押した場合フェードアウト動作は解除されること．この場合フェードイン動作には入らない．

4.フェードインあるいはフェードアウト動作中に他のテープ·トランスポート操作ボタンが押されるとフェードイン,フェードアウト動作は解除されること．

5.フェード時間(T)はFADE SPEEDコントロール最大位置(MAX)で5秒以上設定できること．

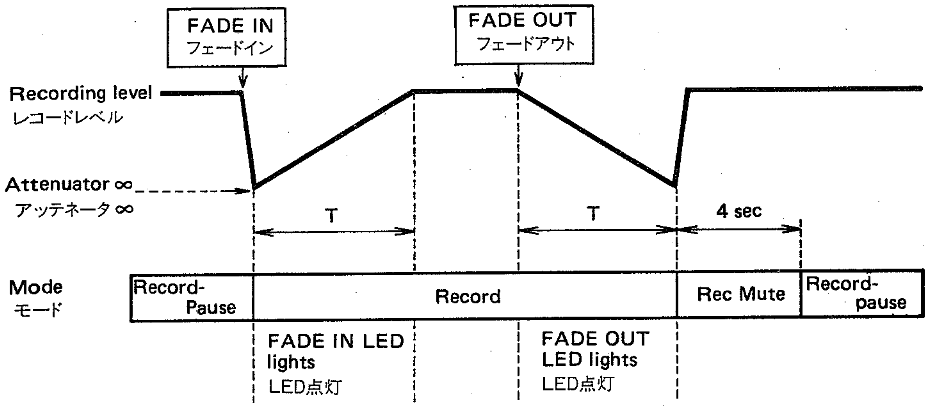


Fig. 4-13 Auto-Fader

4-10 DC (+12 V) VOLTAGE CHECK

If necessary, check that the voltage between terminal ⑦ (see foil side) and ground on POWER SUPPLY PCB is DC +12 V when components on the PCB are replaced. Adjust R71 to obtain DC +12 V.

4-11 VOLTAGE CONVERSION (GENERAL EXPORT MODELS ONLY)

1. Always disconnect the power line cord before making these adjustments.
2. Locate the voltage selector on bottom side as shown in the illustrations.
3. Using a regular screwdriver, turn the selector untill the numerals corresponding to the voltage requirements of your area appear.

(国内モデル適用せず)

4-10 電圧チェック(DC＋12V)

電源回路基板（POWER SUPPLY PCB）上の部品交換時等必要に応じ，DC＋12Vの電圧があることを確認する．測定箇所：電源回路基板の⑦端子とアース間，もし調整が必要であればR71にて＋12Vにセットする．

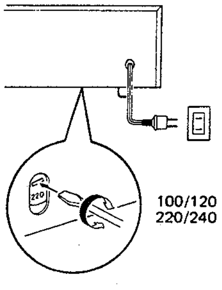


Fig. 4-14

5 ELECTRICAL ADJUSTMENTS AND CHECKS

アンプ部の調整と確認

PRECAUTIONS

1. Before performing adjustments and checks, clean and demagnetize the entire tape path.
2. Make sure that the deck is properly set for the voltage in your locality.
3. In general, adjustments and checks should be made in the order of forward play (or record) mode, then reverse play (or record) mode, and in the order of the L-ch then R-ch. Double ref. Nos. and test point designations indicate L-ch/R-ch.
   (Example: R11/R21)
4. 0 dB is referenced to 0.775 V. If an AC voltmeter that references 0 dB to 1 V is used, appropriate compensation should be made.
5. The AC voltmeter used in the procedures must have an input impedance of 1 Mohm or more.
6. Note the "deck settings" at the top of each chart. The settings apply to all checks for a specific chart unless explicitly started otherwise.

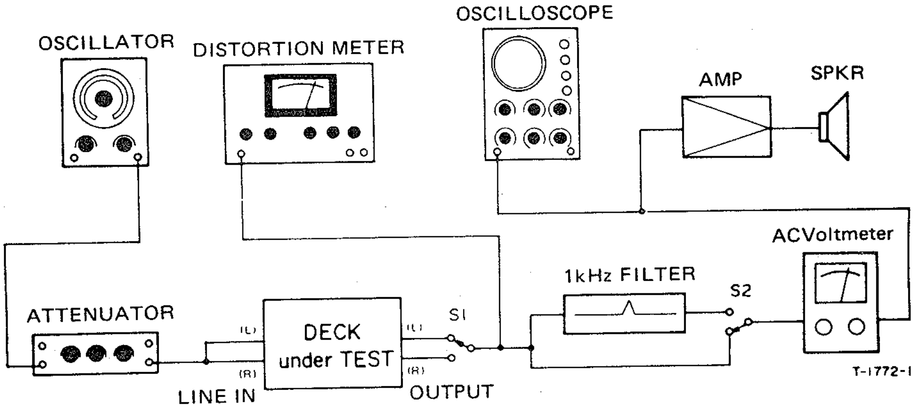


Fig. 5-1 Basic test setup
(基本接続図)

5-1 PLAYBACK PERFORMANCE

settings:
TAPE SELECTOR sw: METAL
NR systems sw: OUT
MPX FIL: OFF(or OUT), V-707R(V-909RX)
dbx DISC: OUT(V-909RX)

TEAC test tapes:
MTT-150: For Dolby level calibration
MTT-356: For playback frequency response check with METAL, CrO2
MTT-501: For S/N check with NORMAL

ITEM	PREPARATION/SETTING	INPUT SIGNAL	ADJUST (or CHECK)	MEASURING POINT: RESULT	REMARKS
1. REC/PLAY head azimuth	Check REC/PLAY head azimuth by referring to section 4-7 on pages 10 and 11.				
2. Playback level	FWD play mode	MTT-150	R11/R21 See(Fig. 5-12)	Dolby TP.3/TP.4: 388 mV (–6 dB)	for V-909RX/ V-707R
				Dolby TP.1/TP.2: 580 mV (–2.5 dB)	for V-707RX
			OUTPUT cont.	OUTPUT: –5 dB (436 mV)	• Specified setting of OUTPUT cont.
	REV play mode		R12/R22	Dolby TP.3/TP.4: 388 mV (–6 dB)	for V-909RX/ V-707R
				Dolby TP.1/TP.2: 580 mV (–2.5 dB)	for V-707RX
			Check	OUTPUT: –5 dB ±1 dB (388 mV to 489 mV)	
	IMPORTANT: Do not move the OUTPUT control during any subsequent process.				

ITEM	PREPARATION/SETTING		INPUT SIGNAL	ADJUST (or CHECK)	MEASURING POINT: RESULT	REMARKS
3. PEAK PROGRAM LEVEL METER	FWD play mode		MTT-150	R13/R23	METER indication: 0 dB	
4. Frequency response	FWD & REV play modes	TAPE SELECTOR: METAL	MTT-356	Check	OUTPUT: Fig. 5-3	
		TAPE SELECTOR: NORMAL	MTT-356 (10 kHz)		OUTPUT: When the TAPE SELECTOR is changed from METAL to NORMAL, 10 kHz output should be approx. 4 dB higher than measured in the above step.	
5. Signal-to-noise ratio	FWD & REV play modes TAPE SELECTOR: NORMAL		Fully-erased MTT-501 tape (Use bulk tape eraser)	Check	OUTPUT: 46 dB min. The difference between channels is within 4 dB.	Ratio of spec. output of –5 dB to noise.

5-2 MONITOR PERFORMANCE

V-707RX settings:

Record-pause mode
NR system sw: OUT
OUTPUT cont.: Specified position (item 2)

V-909RX/V-707R settings:

Record-pause mode
NR system sw: OUT
MPX FIL sw: OFF
OUTPUT cont.: Specified position (item 2)

ITEM	PREPARATION/SETTING	INPUT SIGNAL	ADJUST (or CHECK)	MEASURING POINT: RESULT	REMARKS
6. Min. input level	RECORD cont.: Max.	MIC: 400 Hz/–67 dB (346 μV)	Check	OUTPUT: –5 dB ±3 dB (308 mV to 615 mV)	MIC min. input level
		LINE IN: 400 Hz/–19 dB (86.9 mV)			LINE min. input level
7. Specified LINE input level	——	LINE IN: 400 Hz/–9 dB (436 mV)	RECORD cont.	Dolby TP.1/TP.2 580 mV (–2.5 dB)	Specified setting of RECORD cont. for V-707RX
				Dolby TP.3/TP.4: 388 mV (–6 dB)	for V-909RX/V-707R
			RECORD Level control position difference between channels should be ½ scale or less.		
			Check	OUTPUT: –5 dB ±1 dB (388 mV to 489 mV)	
	IMPORTANT: Do not change the setting of the RECORD control after establishing the setting as above.				
8. PEAK PROGRAM LEVEL METER	——	LINE IN: 400 Hz/–9 dB (436 mV)	Check	METER indication: 0 dB ±1 dB	
9. PHONES output level	Connection: Fig. 5-2	LINE IN: 400 Hz/–9 dB (436 mV)	Check	PHONES: –18 dB ±3 dB (69.0 mV to 138 mV)	The level difference between channels is within 2 dB.

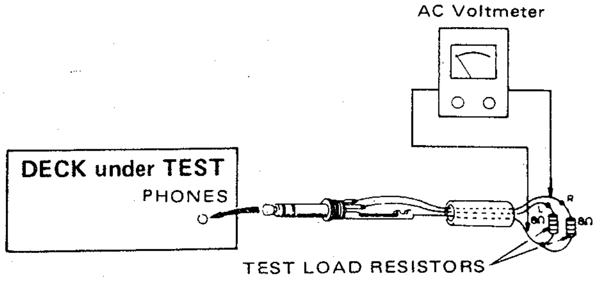


Fig. 5-2 Test setup for PHONES check
(PHONESチェック図)

注1．アンプ部の調整のまえに，消去ヘッド，録／再ヘッド，テープ走行部分それぞれを充分消磁し，クリーナ液で清掃する．

2．調整はFWD，REVの順で，また左チャネル，右チャネルの順で行なう．

3．0dB＝0.775V．

4．OUTPUTの負荷は50kΩ．

5．ドルビーNR回路の測定に使用するレベル計の入力インピーダンスは1MΩ以上．

6．特に指示のない限り各スイッチ及びつまみの位置は右表のように設定する．

TAPE SELECTOR	METAL	
NR System	OUT	
dbx DISC	OUT	V-909RX
MPX FIL	OUT	
TIMER	OUT	

5-1再生系

調整項目	準備・設定	入力信号	調整個所	測定個所・調整値	備考
1．ヘッド・アジマス調整	FWDプレイ TAPE SELECTOR METAL	MTT-150	チェック	OUTPUT 位相45°以内	Fig.4-12参照
		MTT-356 (10kHz区分)	録/再ヘッドのアジマス調整ネジ	OUTPUT L,R共 最大出力	Fig.4-12参照
2．再生レベル・セット	同上	MTT-150	R11/R21 Fig.5-12参照	DOLBY TP.1/TP.2 580mV(−2.5dB)	V-707RX
				DOLBY TP.3/TP.4 388mV(−6dB)	V-909RX/V-707R
			OUTPUT つまみ	OUTPUT −5dB	
	REVプレイ	MTT-150	R12/R22	DOLBY TP.1/TP.2 580mV(−2.5dB)	V-707RX
				DOLBY TP.3/TP.4 388mV(−6dB)	V-909RX/V-707R
			チェック	OUTPUT −5dB±1dB	
3．メータ・レベル・セット	FWDプレイ	MTT-150	R13/R23	メータ指示 0dB	
4．再生周波数特性チェック	FWD，REV共 TAPE SELECTOR METAL	MTT-356	チェック	OUTPUT 規格 Fig.5-3参照	
			再生周波数特性規格を満足した上で，チャネル間レベル差は，40Hz～6.3kHzは3dB以内，10kHzでは4dB以内であること．		
		MTT-356 (10kHz区分)	チェック	OUTPUT TAPE SELECTORスイッチをMETAL→NORMALに切換えると10kHzの出力は4dB程度高くなること．	
5．再生S/Nチェック	FWD，REV共 TAPE SELECTOR NORMAL	充分に消磁したテープを再生する．	チェック	OUTPUT S/N 46dB以上 チャネル間差4dB以内であること．	第2項での出力レベルを基準レベルとする．

5-2モニタ系

調整項目	準備・設定	入力信号	調整個所	測定個所・調整値	備考
6．MIC最小入力レベル・チェック LINE最小入力レベル・チェック	モード REC/PAUSE RECORD contを最大にセット．	MIC 400Hz/−67dB	チェック	OUTPUT −5dB±3dB	
		LINE IN 400Hz/−19dB	チェック	OUTPUT −5dB±3dB	
7．LINE入力レベル・セット	同上	LINE IN 400Hz/−9dB	RECORD cont.	DOLBY TP.1/TP.2 580mV(−2.5dB)	(LINE規定入力状態) V-707RX
				DOLBY TP.3/TP.4 388mV(−6dB)	V-909RX/V-707R
			つまみ位置のチャネル間差は½目盛以内であること．		
			チェック	OUTPUT −5dB±1dB	
8．メータ指示チェック	LINE規定入力状態	LINE IN 400Hz/−9dB	チェック	メータ指示 0dB±1dB	
9．PHONES出力レベル・チェック	同上	LINE IN 400Hz/−9dB	チェック	PHONES −18dB±3dB	8Ω負荷 チャネル間差2dB以内のこと．

5-3 RECORDING PERFORMANCE

V-707RX settings:

NR system sw: OUT
RECORD cont.: Specified position (item 7)
OUTPUT cont.: Specified position (item 2)

V-909RX/V-707R settings:

NR system sw: OUT
MPX FIL sw: OFF
RECORD cont.: Specified position (item 7)

TEAC test tapes:

MTT-5061: For record test with CrO2
MTT-501: For record test with NORMAL
MTT-5072: For record test with METAL

ITEM	PREPARATION/SETTING		INPUT SIGNAL	ADJUST (or CHECK)	MEASURING POINT: RESULT	REMARKS
10. Bias trap	Record-pause mode		LINE IN: No signal	U106/U206	BIAS TRAP TP.1/TP.2 Min. reading	
11. Record bias	Turn trim pots R14/R24, R15/R25 fully clockwise (viewed from REC/PLAY AMPL PCB foil side) for each trim pot to obtain minimum resistance value.					
	FWD & REV record/play modes	TAPE SELECTOR: METAL Tape: MTT-5072	LINE IN: 400 Hz & 6.3 kHz alternately/−42 dB (6.15 mV)	R14/R24 (FWD) R15/R25 (REV)	OUTPUT: Nearly equal level at both frequencies	
		TAPE SELECTOR: CrO2 Tape: MTT-5061		R17		For L & R-ch in FWD & REV
		TAPE SELECTOR: NORMAL Tape: MTT-501		R16		
12. Record level	FWD & REV record/play modes	TAPE SELECTOR: METAL Tape: MTT-5072	LINE IN: 400 Hz/−12 dB (195 mV)	R19/R29 (FWD) R18/R28 (REV)	OUTPUT: −8 dB (308 mV)	
		TAPE SELECTOR: CrO2 Tape: MTT-5061		Check	OUTPUT: −8 dB ±1.5 dB (259 mV to 367 mV)	
		TAPE SELECTOR: NORMAL Tape: MTT-501				
13. Total harmonic distortion	Same as 12 above		LINE IN: 400 Hz/−12 dB (195 mV)	Check	OUTPUT: 2.2% or less [METAL, CrO2] 2.0% or less [NORMAL]	
14. Frequency response	Same as 12 above		LINE IN: Required signal/ −42 dB (6.15 mV)	Check	OUTPUT: Fig. 5-4 to 5-6 If frequency response is out of specification, recheck "11. Record bais" and "13. Total harmonic distortion".	
15. Signal-to-noise ratio	Same as 12 above		LINE IN: 1 kHz/−9 dB (275 mV) ↓ No signal	Check	OUTPUT 44 dB min. [METAL, CrO2] 43 dB min. [NORMAL]	Ratio of specified output of −5 dB to noise

録音系調整用テープ

TAPE SELECTOR	使用テープ
METAL	MTT−5072
CrO_2	MTT−5061
NORMAL	MTT−501

5-3録音系

（第10項，第15項以外の信号入力個所：LINE IN.
第11項以降の測定個所：OUTPUT．第12項以降はFWD，REV共チェックのこと．）

調整項目	準備・設定	入力信号	調整個所	測定個所・調整値	備考
10．バイアス・トラップ調整	無信号録音状態	無信号	U106/U206	BIAS TRAP TP.1/TP.2 バイアス漏れ最少	
11．バイアス・セット	R14/R24，R15/R25は抵抗値最小にしておく（録/再基板プリント面から見て右にまわし切る）．				
	FWD & REV録・再 TAPE SW テープ METAL MTT-5072	LINE IN 400Hz,6.3kHz/−42dB	R14/R24 (FWD) R15/R25 (REV)	400Hzと6.3kHz録・再出力が等しくなるよう調整	
	CrO_2 MTT-5061		R17………		…FWD/REV時のL/Rch用
	NORMAL MTT-501		R16………		
12．録音レベル・セット	FWD & REV録・再 TAPE SW テープ METAL MTT-5072	LINE IN 400Hz/−12dB	R19/R29 (FWD) R18/R28 (REV)	録再出力 −8dB	
	CrO_2 MTT-5061		チェック	録再出力 −8dB±1.5dB	
	NORMAL MTT-501				
13．総合歪率チェック	METAL CrO_2 NORMAL	LINE IN 400Hz/−12dB	チェック	METAL 2.2%以下 CrO_2 2.2%以下 NORMAL 2.0%以下	
14．総合周波数特性チェック	同上	LINE IN −42dB	チェック	規格 Fig.5-4～Fig.5-6参照	
15．総合S/Nチェック	同上	無信号	チェック	METAL 44dB以上 CrO_2 44dB以上 NORMAL 43dB以上	基準レベルは −8dB
16．消去率チェック	METAL	LINE IN 1kHz/+1dB	チェック	録音部分を再生した時のレベルを基準レベルとし，録音部分を消去した時の出力レベルとの比 65dB以上	1kHz B. P. F.使用
17．REC MUTE効果チェック	CrO_2	1kHz/+1dB	チェック	1kHzを録音し，途中でREC MUTE釦を押して無信号録音部分を作る.（このときLEDが点灯することを確認する.） このテープを再生したときの，信号部分と無信号部分との出力レベル(1kHz B. P. F.使用) 65dB以上	
18．チャネル間 セパレーション・チェック	同上	L ch 1kHz/−9dB R ch 無信号	チェック	Lch再生レベルを基準とし，Rchとの出力レベルの差 30dB以上	1kHz B. P. F. 使用
			L chとR chの信号を入れかえた場合についてもチェックすること		
19．トラック間 クロストーク・チェック	同上	L ch 無信号 R ch 125Hz/−9dB	チェック	録音されたトラックを再生したときの出力レベルを基準レベルとし，テープを反転して再生したときのRch出力レベルとの差 40dB以上	
20．DOLBY NR効果チェック Bタイプ	同上	1kHz/−29dB	チェック	NRスイッチはOUT位置にして信号録音する．次にこれを再生し，スイッチをDD B，OUTと切換えたときの出力レベル変化 3dB～8dB	
		10kHz/−39dB	チェック	同上 8dB～12dB	
Cタイプ (V-909RX，V-707R)	同上	1kHz/−39dB	チェック	上記20と同様の方法でDD Cについてチェックする． 16dB～20dB	
		10kHz/−49dB		同上 16dB～20dB	

ITEM	PREPARATION/SETTING	INPUT SIGNAL	ADJUST (or CHECK)	MEASURING POINT: RESULT	REMARKS
16. Erase efficiency	• Connection is same as in Fig. 5-1, but engage 1-kHz filter. • Record a 1-kHz signal in FWD (REV) direction. Rewind (wind) tape to midpoint of recorded portion. Record a "no signal" portion in FWD (REV) direction. Find the difference between the 1-kHz portion and the "no-signal" portion.				
	FWD & REV record/play modes TAPE SELECTOR: METAL Tape: MTT-5072 TAPE SELECTOR: NORMAL Tape: MTT-501	LINE IN: 1 kHz/+1 dB (0.869 V) ↓ No signal	Check	OUTPUT: 65 dB min. ratio	Ref. output level: +5 dB (1.38 V)
17. REC MUTE function	• Connection: Fig. 5-1, but engage 1-kHz filter. • Record a 1-kHz signal for several seconds in the FWD (REV) direction. Then push the REC MUTE button to provide four seconds of blank space on the tape (At this time, make sure the RECORD button indicator lamp flashes on and off). After the deck automatically goes in to the record-pause mode, rewind (wind) and play the tape in FWD (REV) direction. Find the difference between the 1-kHz portion and the "no signal" portion.				
	FWD & REV record/play modes TAPE SELECTOR: CrO2 Tape: MTT-5061	LINE IN: 1 kHz/+1 dB (0.869 V) ↓ No signal	Check	OUTPUT: 65 dB min. ratio	Ref. output level: +5 dB (1.38 V)
18. Channel separation	• Connection: Fig. 5-1, but do not connect LINE IN(R), and engage 1-kHz filter. • Set the deck to FWD (REV) record mode. Find the difference between the 1-kHz recorded portion (L-ch) and the "no signal" portion (R-ch).				
	FWD & REV record/play modes TAPE SELECTOR: CrO2 Tape: MTT-5061	LINE IN: L-ch: 1 kHz/−9 dB (275 mV) R-ch: No signal	Check	OUTPUT: 30 dB min. ratio	
19. Adjacent track crosstalk	• Connection: Fig. 5-1, but do not connect LINE IN (L) and OUTPUT (L). • Record a 125-Hz signal on the R-ch in FWD (REV) direction and then play the tape and note the output level. Invert the tape and play the R-ch track in the FWD (REV) direction. Check the leakage level against the output reference of the previously recorded portion.				
	FWD & REV record/play modes TAPE SELECTOR: CrO2 Tape: MTT-5061	LINE IN: L-ch: No signal R-ch: 125 Hz/−9 dB (275 mV)	Check	OUTPUT: 40 dB min. ratio	
20. DOLBY NR effect (B Type)	• Record a 1-kHz signal in the FWD direction with the NR switch OUT. • Play this portion in the FWD direction with the NR switch pressed to OUT and then press to DD B(DD C). Obtain the difference in the output level between the OUT and DD B (DD C) positions. Repeat the above process using a 10-kHz signal.				
	FWD record/play mode TAPE SELECTOR: CrO2 Tape: MTT-5061	LINE IN: 1 kHz/−29 dB (27.5 mV)	Check	OUTPUT: 5.5 dB ±2.5 dB deviation(3dB~8dB)	Dolby NR B
		LINE IN: 10 kHz/−39 dB (8.69 mV)		OUTPUT: 10 dB ±2 dB deviation(8dB~20dB)	
(C Type)	FWD record/play mode TAPE SELECTOR: CrO2 Tape: MTT-5061	LINE IN: 1 kHz/−39 dB (27.5 mV)	Check	OUTPUT: 18 dB ±2 dB deviation(16dB~20dB)	Dolby NR C for V-909RX & V-707R
		LINE IN: 10 kHz/−49 dB (8.69 mV)		OUTPUT: 18 dB ±2dB deviation(16dB~20dB)	

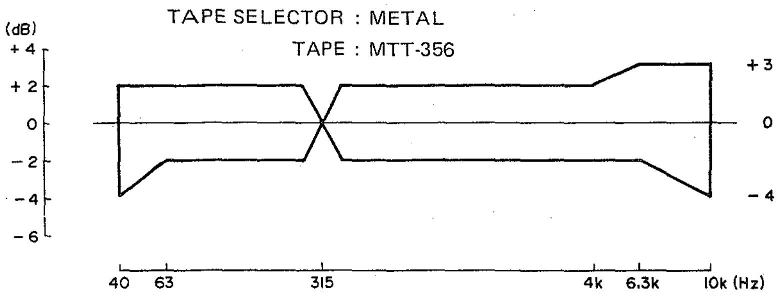


Fig. 5-3 Playback frequency response
(再生周波数特性)

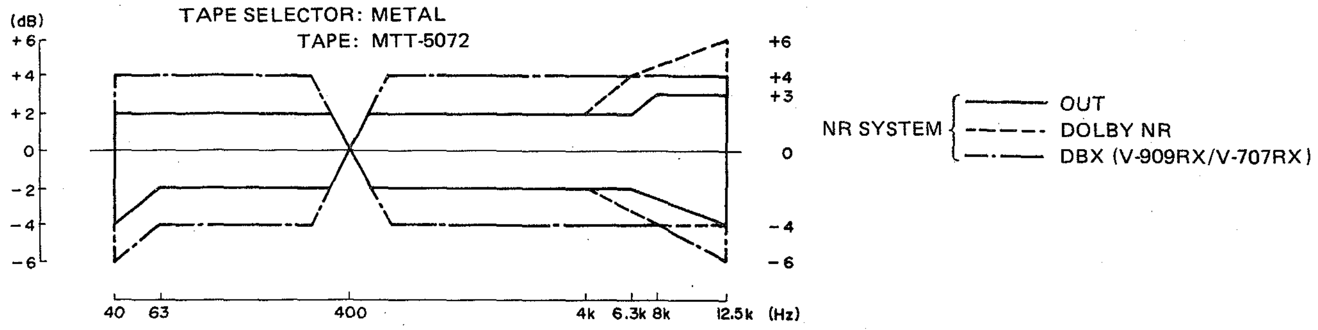


Fig. 5-4 Overall frequency response (METAL)
(総合周波数特性)

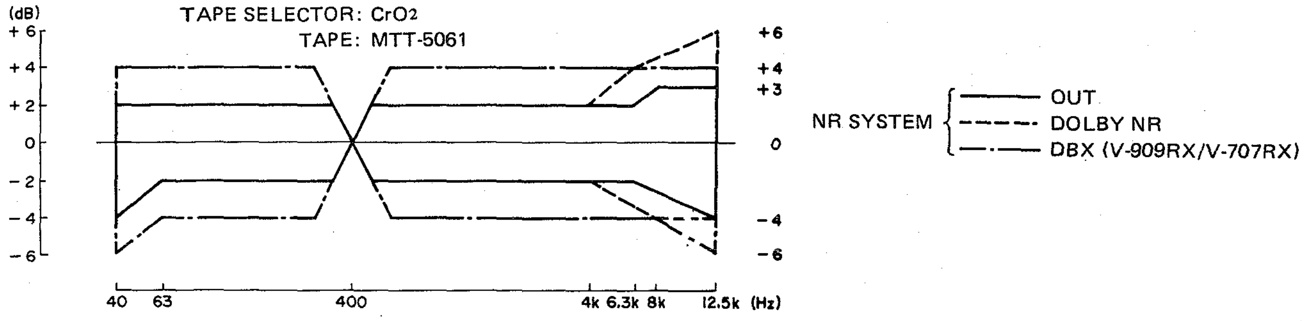


Fig. 5-5 Overall frequency response (CrO2)
(総合周波数特性)

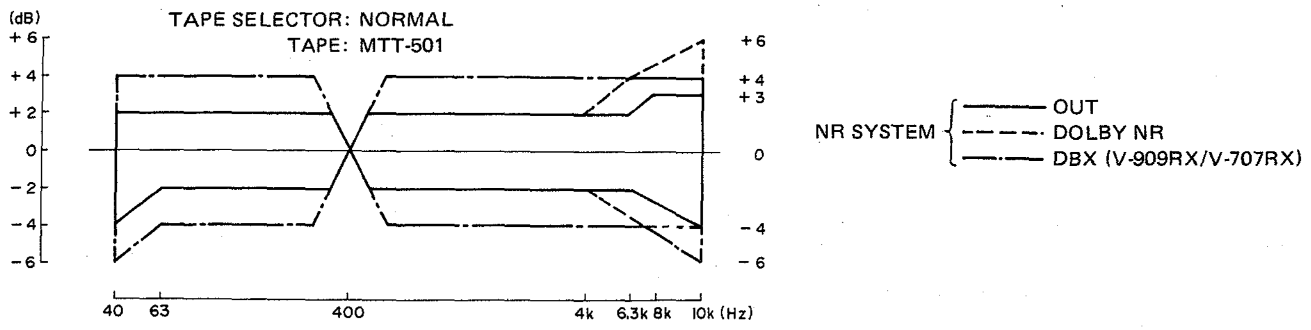


Fig. 5-6 Overall frequency response (NORMAL)
(総合周波数特性)

5-4 DBX PERFORMANCE (V-909RX/V-707RX)

Note: Test this performance only after you are sure that the "5-5 DBX PCB ADJUSTMENT" is correct.

Settings:
NR system sw: dbx
OUTPUT cont.: Specified position (item 2)

TEAC test tapes:
MTT-5061: For record test with CrO$_2$
MTT-501: For record test with NORMAL
MTT-5072: For record test with METAL

ITEM	PREPARATION/SETTING	INPUT SIGNAL	ADJUST (or CHECK)	MEASURING POINT: RESULT	REMARKS
21. Encoding level setting	Record-pause mode	LINE IN: 1 kHz/−14.5 dB (146 mV)	RECORD cont.	TP.51/TP.61 on dbx PCB: −8.2 dB (300 mV)	
	Record-pause mode	LINE IN: 1 kHz/−14.5 dB (146 mV)	R52/R62	TP.52/TP.62 on dbx PCB: −8.2 dB (300 mV)	Reference 1
22. Encoder operation check (level)	Record-pause mode	LINE IN: 1 kHz/−74.5 dB (146 µV)	Check	TP.52/TP.62 on dbx PCB: −30 dB ±0.5 dB variation from Ref.1	
		LINE IN: 1 kHz/+5.5 dB (1.46 V)		TP.52/TP.62 on dbx PCB: +10 dB variation from Ref.1	
23. Encoder operation check (frequency)	Record-pause mode	LINE IN: 100 Hz/−14.5 dB (146 mV)	Check	TP.52/TP.62 on dbx PCB: +0.5 dB ±1 dB variation from Ref. 1	
		LINE IN: 10 kHz/−14.5 dB		TP.52/TP.62 on dbx PCB: −2.8 dB ±1 dB variation from Ref. 1	
24. Decoding level setting	● Record a 1 kHz signal with the NR system switch OUT. Rewind and play the recorded portion. Note the off-the-tape level from OUTPUT (1). Repeat the above process with the NR system switch set to "DBX". Note the off-the-tape level (2). Compare the difference between (1) and (2).				
	FWD record/play mode TAPE SELECTOR: METAL Tape: MTT-5072 NR system OUT	LINE IN: 1 kHz/−14.5 dB (146 mV)	Check	OUTPUT: Note the off-the-tape level	Reference 2
	NR system DBX	LINE IN: 1 kHz/−14.5 dB	Check	OUTPUT: ±1 dB from Ref. 2	
25. Distortion	FWD & REV record/play modes Measure the off-the-tape level {TAPE SELECTOR: METAL Tape: MTT-5072 {TAPE SELECTOR: CrO$_2$ Tape: MTT-5061 {TAPE SELECTOR: NORMAL Tape: MTT-501	LINE IN: 400 Hz/−12 dB (195 mV)	Check	OUTPUT: 1.5% or less	
26. Signal-to-noise ratio	Same as above	LINE IN: 1 kHz/−9 dB (275 mV) ↓ No signal	Check	OUTPUT: 65 dB min. ratio	Ratio of 1 kHz output (−5 dB) to noise

DBX系 (NR SystemスイッチはDBX(X-909RX/V-707RX)

調整項目	準備・設定	入力信号	調整個所	測定個所・調整値	備考
21. エンコーダ・レベルセット	REC/PAUSEモード	LINE IN 1kHz/−14.5dB	RECORD Cont.	TP.51/TP.61 −8.2dB	
			R52/R62	TP.52/TP.62 −8.2dB	エンコーダ基準出力レベル
22. エンコーダ動作レベル・チェック	同上	LINE IN 1kHz/−74.5dB	チェック	TP.52/TP.62(レベル変化) −30dB±0.5dB	−8.2dBを基準とする
		LINE IN 1kHz/+5.5dB		TP.52/TP.62(レベル変化) +10dB	
23. エンコーダ単一周波数応答チェック	同上	LINE IN 100Hz/−14.5dB	チェック	TP.52/TP.62(レベル変化) +0.5dB±1dB	同上
		LINE IN 10kHz/−14.5dB		TP.52/TP.62(レベル変化) −2.8dB±1dB	
24. デコーダ・レベル・セット	METAL MTT-5072	LINE IN 1kHz/−14.5dB	チェック	OUTPUT NR SystemスイッチをDBXにして信号を録音後再生したレベルと,OUT位置で録音後再生したレベルとの差 ±1dB以内	
25. 録再歪率	METAL MTT-5072 CrO_2 MTT-5061 NORMAL MTT-501	LINE IN 400Hz/−12dB	チェック	OUTPUT METAL, CrO_2, NORMAL 1.5%以下	
26. 録再S/N	同上	無信号録音後再生する	チェック	OUTPUT METAL, CrO_2, NORMAL 65dB以上	−8.2dBを基準とする

5-5 DBX PCB ADJUSTMENT (V-909RX/V-707RX)

Note: :

Since the DBX PCB assembly has been precisely adjusted at the factory, this adjustment is not usually needed unless any of the trimmers have been changed, or any components on the PCB have sustained damage.

5-6-1 PREPARATION

1. Disconnect the wires from the P10 connectors on the DBX PCB. Turn the deck OFF to prevent accidental damage when disconnecting or reconnecting.
2. Make the following initial settings.
   - POWER switch: ON (for supplying power via the P11connector to the DBX PCB).
   - NR system switch: OUT
   - DBX PCB trimmers: Approximate center positions

   All other front panel switches and controls have no effect on this adjustment.

5-6-2 ENCODING ADJUSTMET

Check in the REC/PAUSE mode.

ITEM	SETTING	INPUT SIGNAL	ADJUST (or CHECK)	RESULT	REMARKS
1. RMS SYM	Fig. 5-9	100 Hz/–8.2 dB (300 mV)	R53/R63	Clean 200 Hz sine-wave.	Refer to Figs. 5-7 and 5-8.
2. Encoding level	Fig. 5-10	400 Hz/–8.2 dB*1 (300 mV)	R52/R62	–8.2 dB*2 (300 mV)	*1 Reference 1 *2 Reference 2
3. VCA SYM	Fig. 5-11	——	R51/R61	TP.52/TP.62: A relatively straight horizontal line on the scope face. (Level variation: 5 mV or less)	
4. Encoding single frequency response	Fig. 5-10	100 Hz/–8.2 dB (300 mV)	Check	+0.2 dB ±0.5 dB against Ref.2 (290 mV ~ 325 mV)	
		10 kHz/–8.2 dB (300 mV)	Check	–3.3 dB ±0.5 dB against Ref. 2 (194 mV ~ 217 mV)	
5. Encoding operation level	Fig. 5-10	400 Hz/–68.2 dB*3 (300 µV)	Check	–30 dB ±0.5 dB against Ref.2 (8.96 mV ~ 10.1 mV)	*3 –60 dB against Ref. 1
		400 Hz/+11.8 dB*4 (3.00 V)	Check	+10 dB ±0.5 dB against Ref. 2 (0.896 V ~ 1.01 V) Distortion: 0.3% or less	*4 +20 dB against Ref.1

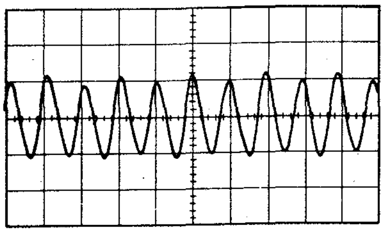
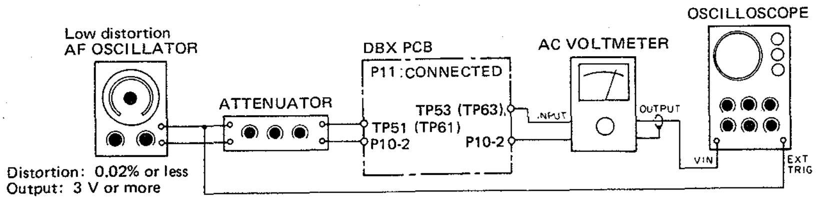


Fig. 5-7 RMS SYM check (Correct)
(良)


Low distortion AF OSCILLATOR
ATTENUATOR
DBX PCB
P11 :CONNECTED
TP53 (TP63)
TP51 (TP61)
P10-2
P10-2
INPUT
AC VOLTMETER
OUTPUT
OSCILLOSCOPE
VIN
EXT TRIG

Distortion: 0.02% or less
Output: 3 V or more

Fig. 5-9

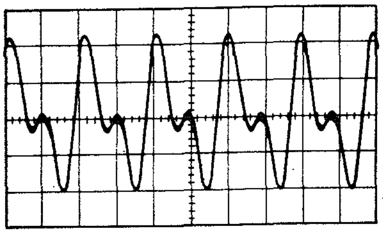
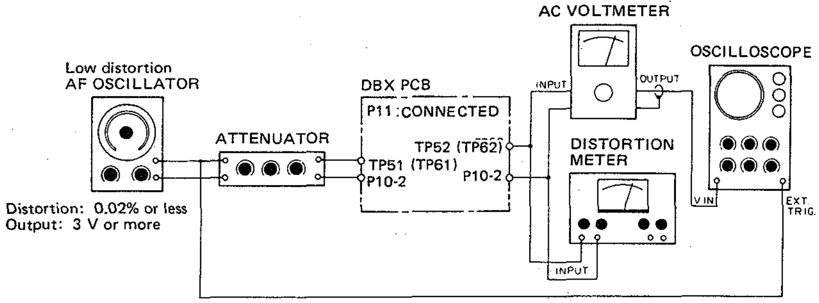


Fig. 5-8 RMS SYM check (Incorrect)
(不良)


Low distortion AF OSCILLATOR
ATTENUATOR
DBX PCB
P11 :CONNECTED
TP52 (TP62)
TP51 (TP61)
P10-2
P10-2
AC VOLTMETER
INPUT
OUTPUT
DISTORTION METER
INPUT
OSCILLOSCOPE
VIN
EXT TRIG.

Distortion: 0.02% or less
Output: 3 V or more

Fig. 5-10

準備

1. DBX基板のP10の線材を外す.
2. 基板の各半固定抵抗は，ほぼ中央位置にする.
3. 指定の無い限りNR SystemスイッチはOUT位置.

5-5エンコーダ調整 (V-909RX/V-707RX) REC/PAUSE モード

調整項目	準備・設定	入力信号	調整個所	測定個所・調整値	備考
1. RMS SYMチェック	Fig.5-9	TP.51/TP.61 100Hz/300mV	R53/R63	TP.53/TP.63出力波形 200Hzの正弦波であること	Fig.5-7～5-8参照
2. エンコーダ・基準レベル調整	Fig.5-10	TP.51/TP.61 400Hz/300mV	R52/R62	TP.52/TP.62 300mV	
3. VCA SYM調整	Fig.5-11	——	R51/R61	TP.52/TP.62 レベル変化5mV以内であること	
4. 周波数特性チェック	Fig.5-10	TP.51/TP.61 100Hz/300mV	チェック	TP.52/TP.62 290mV～325mV	
		TP.51/TP.61 10kHz/300mV	チェック	TP.52/TP.62 194mV～217mV	
5. エンコード効果チェック	Fig.5-10	TP.51/TP.61 400Hz/300μV	チェック	TP.52/TP.62 8.96mV～10.1mV	
		TP.51/TP.61 400Hz/3.0V	チェック	TP.52/TP.62 0.896V～1.01V 歪率 0.3%以下	

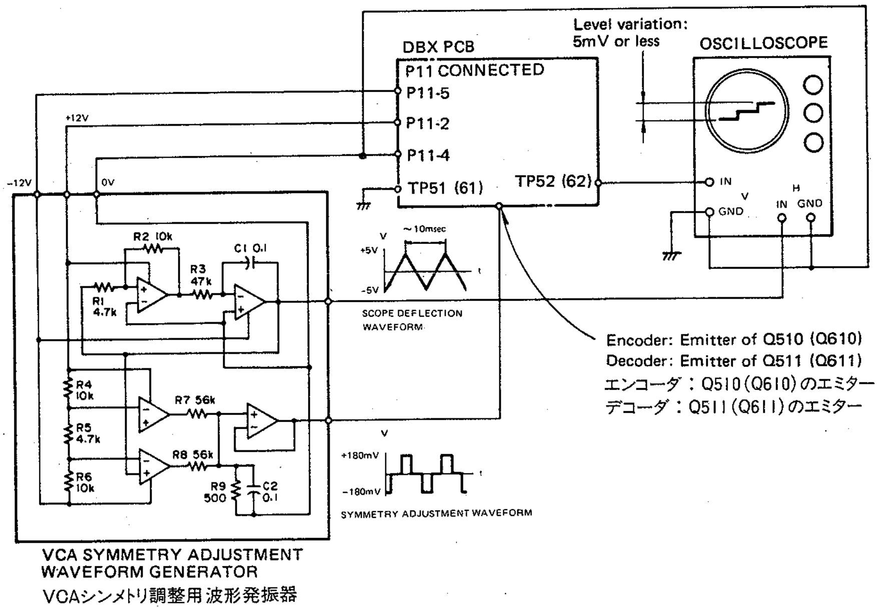

DBX PCB
P11 CONNECTED
P11-5
P11-2
P11-4
TP51 (61)
TP52 (62)
Level variation:
5mV or less
OSCILLOSCOPE
IN
V
GND
H
IN
GND
+12V
-12V
0V
R2 10k
C1 0.1
R3 47k
R1 4.7k
R4 10k
R5 4.7k
R6 10k
R7 56k
R8 56k
R9 500
C2 0.1
V
~10msec
+5V
-5V
t
SCOPE DEFLECTION WAVEFORM
V
+180mV
-180mV
t
SYMMETRY ADJUSTMENT WAVEFORM
Encoder: Emitter of Q510 (Q610)
Decoder: Emitter of Q511 (Q611)
エンコーダ：Q510(Q610)のエミター
デコーダ：Q511(Q611)のエミター
VCA SYMMETRY ADJUSTMENT
WAVEFORM GENERATOR
VCAシンメトリ調整用波形発振器

Fig. 5-11

5-6-3 DECODING ADJUSTMENT

ITEM	SETTING		INPUT SIGNAL	ADJUST (or CHECK)	RESULT	REMARKS
1. RMS SYM	Fig. 5-9		100 Hz/–8.2 dB (300 mV)	Check	Clean 200 Hz sine-wave.	Refer to Figs. 5-7 and 5-8.
2. Decoding level	Fig. 5-10		400 Hz/–8.2 dB*1 (300 mV)	Check	–8.2 dB*2 (±0.5 dB) (283 mV ~ 318 mV)	*1 Ref. 1 *2 Ref. 2
3. VCA SYM	Fig. 5-11		——	Check	TP.52/TP.62: A relatively straight horizontal line on the scope face. (Level variation: 5 mV or less)	
4. Decoding single frequency response	Fig. 5-10		100 Hz/–8.2 dB (300 mV)	Check	–0.2 dB ±1 dB against Ref. 2 (261 mV ~ 329 mV)	
			10 kHz/–8.2 dB (300 mV)	Check	+5.5 dB ±1 dB against Ref. 2 (504 mV ~ 634 mV)	
5. Decoding operation level	Fig. 5-10		400 Hz/–38.2 dB*3 (9.49 mV)	Check	–60 dB ±1 dB aganist Ref. 2 (267 μV ~ 337 μV)	*3 –30 dB against Ref.1
			400 Hz/+1.8 dB*4 (0.949 V)	Check	+20 dB ±1 dB against Ref. 2 (267 V ~ 3.37 V)	*4 +10 dB against Ref.1
6. dbx DISC	Fig. 5-10	NR system OUT	20 Hz/–8.2 dB (300 mV)	Check	–16 dB ±1.5 dB against Ref. 2 (40.0 mV ~ 56.5 mV)	
		NR system dbx DISC	20 Hz/–8.2 dB (300 mV)	Check	–24 dB ±1.5 dB against Ref.2 (15.9 mV ~ 22.5 mV)	

デコーダ調整

調整項目	準備・設定		入力信号	調整個所	測定個所・調整値	備考
6. RMS SYM調整	Fig.5-9		TP.51/TP.61 100Hz/300mV	チェック	TP.53/TP.63 200Hzの正弦波であること	Fig.5-7, 5-8参照
7. デコーダ・基準レベル調整	Fig.5-10		TP.51/TP.61 400Hz/300mV	チェック	TP.52/TP.62 283mV～318mV	
8. VCA SYM調整	Fig.5-11		——	チェック	TP.52/TP.62 レベル変化5mV以内であること	
9. 周波数特性チェック	Fig.5-10		TP.51/TP.61 100Hz/300mV	チェック	TP.52/TP.62 261mV～329mV	
			同　上　10kHz/300mV	チェック	同　上　504mV～634mV	
10. デコード効果チェック	Fig.5-10		同　上　400Hz/9.49V	チェック	同　上　267μV～337μV	
			同　上　400Hz/0.949V	チェック	同　上　2.67V～3.37V	
11. dbx DISC 周波数特性チェック	同　上	NR System OUT	同　上　20Hz/300mV	チェック	同　上　40.0mV～56.5mV	
		NR System dbx DISC	同　上　20Hz/300mV	チェック	同　上　15.9mV～22.5mV	

5-7 ADJUSTMENT AND TEST POINT LOCATIONS

NOTE:

Adjustment and test point locations are the same for V-909RX/V-707R/V-707RX except for the Dolby test points (TP.1 and TP.2 for V-707RX). Refer to "DOLBY NR PCB".

V-707RXのドルビーテストポイントTP1／TP2は "DOLBY NR PCB"上にあります.

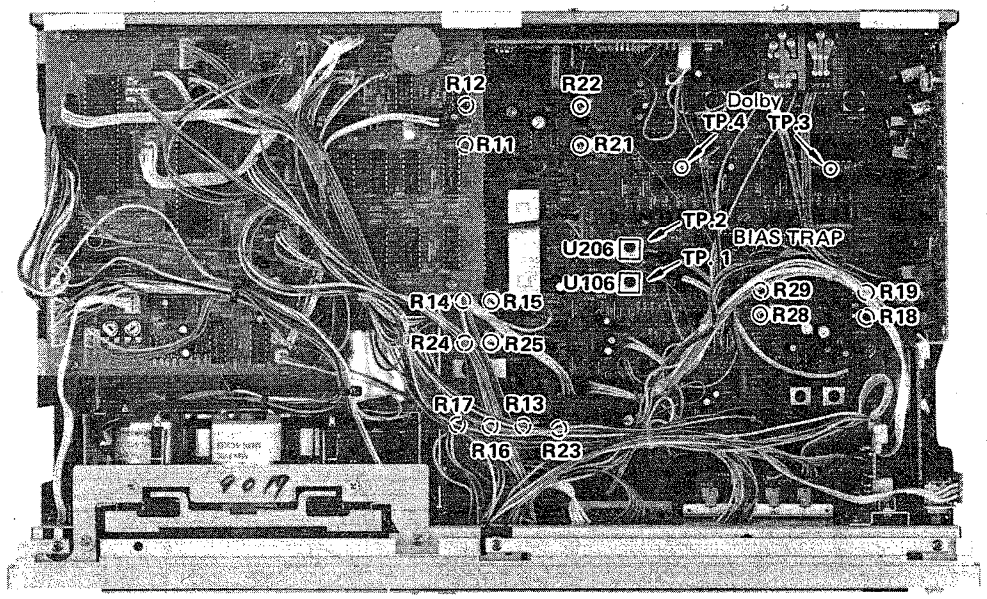

R12
R22
R11
R21
Dolby
TP.4
TP.3
TP.2
BIAS TRAP
U206
TP. 1
U106
R29
R19
R28
R18
R14
R15
R24
R25
R17
R13
R16
R23

Fig. 5-12

R11/R21	Playback level 〔FWD〕	再生レベル調整 FWD
R12/R22	Playback level 〔REV〕	再生レベル調整 REV
R13/R23	Peak program level meter	メータ・レベル調整
R19/R29	Record level 〔FWD〕	録音レベル調整 FWD
R18/R28	Record level 〔REV〕	録音レベル調整 REV
R14/R24	Record bias 〔FWD〕	バイアス調整 FWD
R15/R25	Record bias 〔REV〕	バイアス調整 REV
R17	Record bias 〔CrO_2〕	バイアス調整 CrO_2
R16	Record bias 〔NORMAL〕	バイアス調整 NORMAL
U106/U206	Bias trap	バイアストラップ

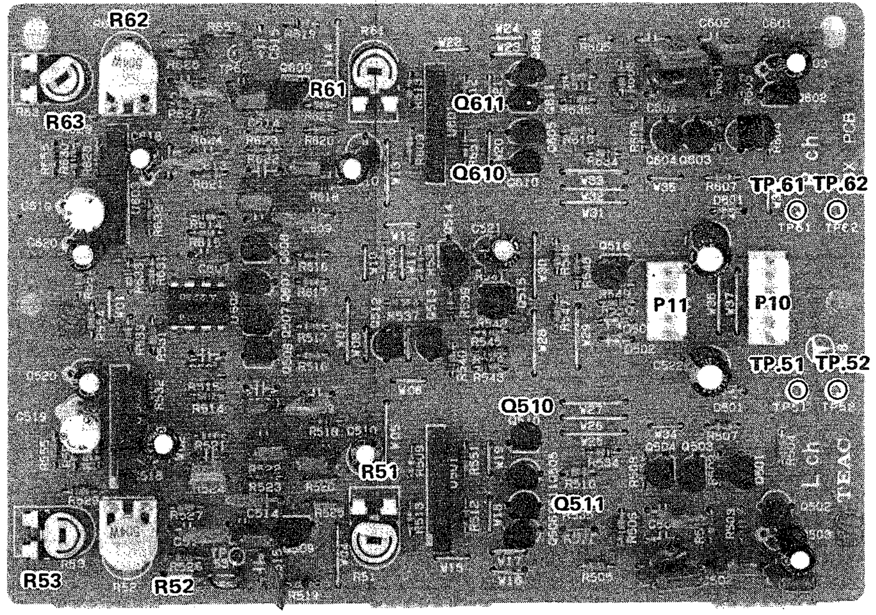

R62
R63
R61
Q611
Q610
TP.61
TP.62
P11
P10
TP.51
TP.52
Q510
R51
Q511
R53
R52
R ch
L ch
TEAC

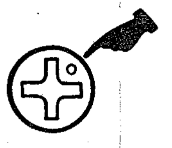
Fig. 5-13 DBX PCB Test Point

（DBX基板調整個所）

6 EXPLODED VIEWS AND PARTS LIST

ASSEMBLING HARDWARE CODING LIST

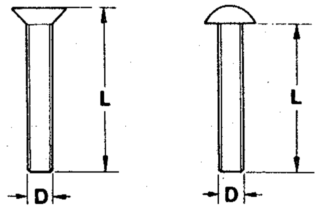
All screws conform to ISO standards, and have crossrecessed heads, unless otherwise noted. ISO screws have the head inscribed with a point as in the figure to the right.



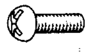
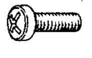
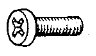
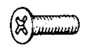
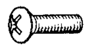
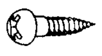
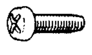
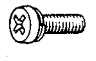
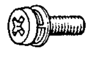
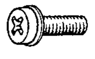
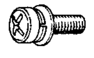
FOR EXAMPLE:

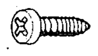
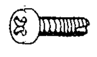
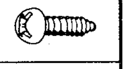
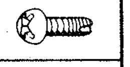
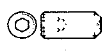
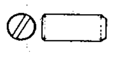
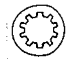
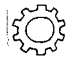
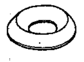
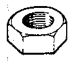
B M 3 x 6

- Length in mm (L)
- Diameter in mm (D) *
- Metric System
- Nomenclature

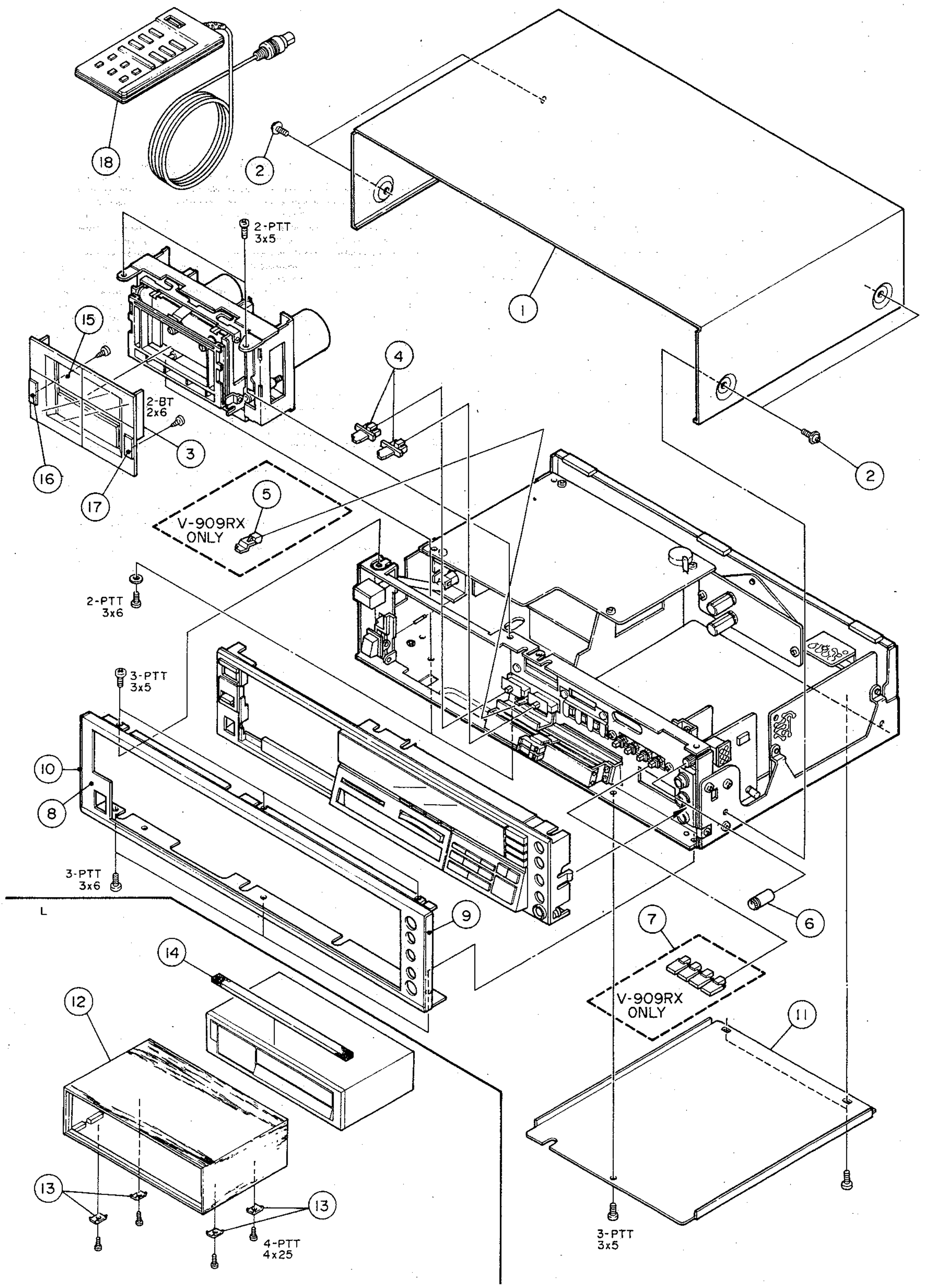


* Inner dia. for washers and nuts

	Code	Name	Type
MACHINE SCREW	R	Round Head Screw	
	P	Pan Head Screw	
	T	Stove Head Screw (Truss)	
	B	Binding Head Screw	
	F	Flat Countersunk Head Screw	
	O	Oval Countersunk Head Screw	
WOOD SCREW	RW	Round Head Wood Screw	
TAPTITE SCREW	PTT	Pan Head Taptite Screw	
	WTT	Washer Head Taptite Screw	
SEMS SCREW	BSA	Binding Head SEMS Screw(A Type)	
	BSB	Binding Head SEMS Screw(B Type)	
	BSF	Binding Head SEMS Screw(F Type)	
	PSA	Pan Head SEMS Screw(A Type)	
	PSB	Pan Head SEMS Screw(B Type)	

	Code	Name	Type
TAPPING SCREW	BTA	Binding Head Tapping Screw(A Type)	
	BTB	Binding Head Tapping Screw(B Type)	
	RTA	Round Head Tapping Screw(A Type)	
	RTB	Round Head Tapping Screw(B Type)	
SETSCREW	SF	Hex Socket Setscrew(Flat Point)	
	SC	Hex Socket Setscrew(Cup Point)	
	SS	Slotted Socket Setscrew(Flat Point)	
WASHER	E	E-Ring (Retaining Washer)	
	W	Flat Washer(Plain)	
	SW	Lock Washer(Spring)	
	LWI	Lock Washer (Internal Teeth)	
	LWE	Lock Washer (External Teeth)	
	TW	Trim Washer (Countersunk)	
NUT	N	Hex Nut	

EXPLODED VIEW-1



REF. NO.	PARTS NO.	DESCRIPTION	COMMON MODELS	REMARKS
1 - 1	*5800508100	Cover Top BL [V-909RX BL, V-707RX BL, V-707R BL]		
	*5800377401	Cover Top [V-909RX, V-707RX, V-707R]	V-2RX	
1 - 2	*5783084008	Screw M4 x 8 (BLK NI)		
1 - 3	5800455601	Cover, Cassette		
1 - 4	5800508200	Knob, Slide Switch; BL [BL Type]		
	5800460100	Knob, Slide Switch [NORMAL Type]		
1 - 5	5800507900	Knob, Slide VR; BL [V-909RX BL]		
	5800459900	Knob, Slide VR [V-909RX]		
1 - 6	5800508000	Knob, B [BL Type]	V-2RX	
	5800374600	Knob, B [NORMAL Type]	V-2RX	
1 - 7	5800507100	Button, Switch [V-909RX BL]		
	5800458800	Button, Switch [V-909RX]		
1 - 8	*5800508400	Panel, Front; BL (1) [V-909RX BL]		
	*5800456600	Panle, Front; (1) [V-909RX]		
	*5800508600	Panel, Front; BL (3) [V-707RX BL]		
	*5800456800	Panel, Front; (3) [V-707RX]		
	*5800508500	Panel, Front; BL (2) [V-707R]		
	*5800456700	Panel, Front; (2) [V-707R]		
1 - 9	*5800507700	Sush, Side; R [BL Type]		
	*5800376600	Sush, Side; R [NORMAL Type]	V-2RX	
1 - 10	*5800507800	Sush, Side; L [BL Type]		
	*5800376500	Sush, Side; L [NORMAL Type]	V-2RX	
1 - 11	*5800457400	Cover, Bottom		
1 - 12	*5800508300	Cabinet Assy; BL [L: V-909RX BL]		
	*5800467900	Cabinet Assy [L: V-909RX]		
1 - 13	*5555526000	Lock Washer [L]	A-601R	
1 - 14	*5800143400	Tape, Mortplain [L]	A-660	
1 - 15	*5800459800	Window, Cassette Cover		
1 - 16	*5800459600	Bushing; L		
1 - 17	*5800459700	Bushing; R		
1 - 18	*5744033300	Remote Control Unit [J, L: V-909RX, V-909RX BL] Remote Control Unit [L: V-707RX, V-707RX BL]		

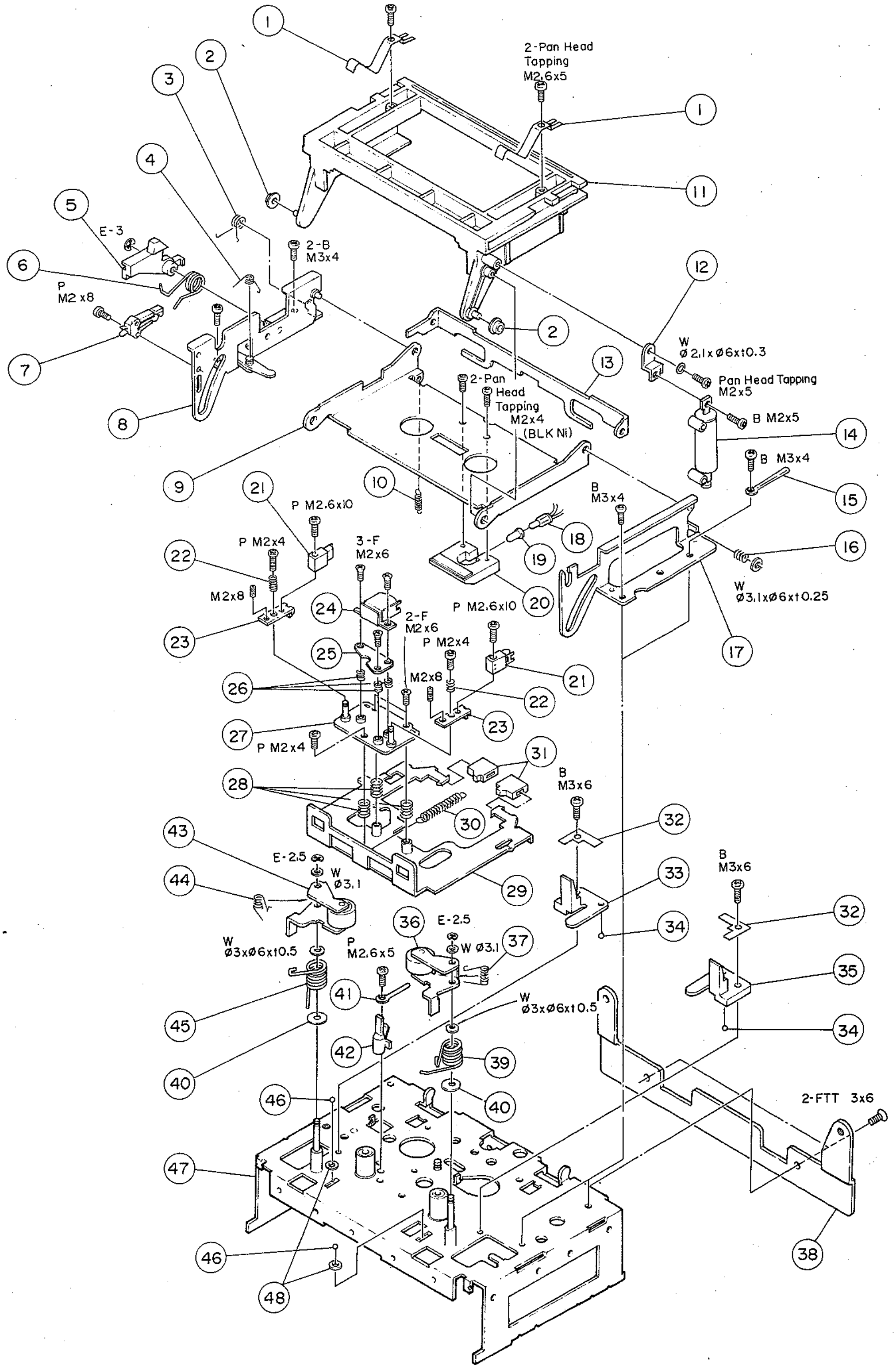
Parts marked with *require longer delivery time.

[U] : U.S.A.
[C] : CANADA
[GE] : GENERAL EXPORT
[A] : AUSTRALIA
[E] : EUROPE
[UK] : U.K.
[L] : LIMITED AREA
[J] :JAPAN

INCLUDED ACCESSORIES

REF. NO.	PARTS NO.	DESCRIPTION	COMMON MODELS	REMARKS
		INCLUDED ACCESSORIES		
	5700043300	V-909RX, V-707R Owner's Manual [J]		
	5700043500	V-909RX Owner's Manual [All except J]		
	5700043800	V-707RX, V-707R Owner's Manual [All except J]		
	5128065000	Cord Assy, Input-Output Connection		

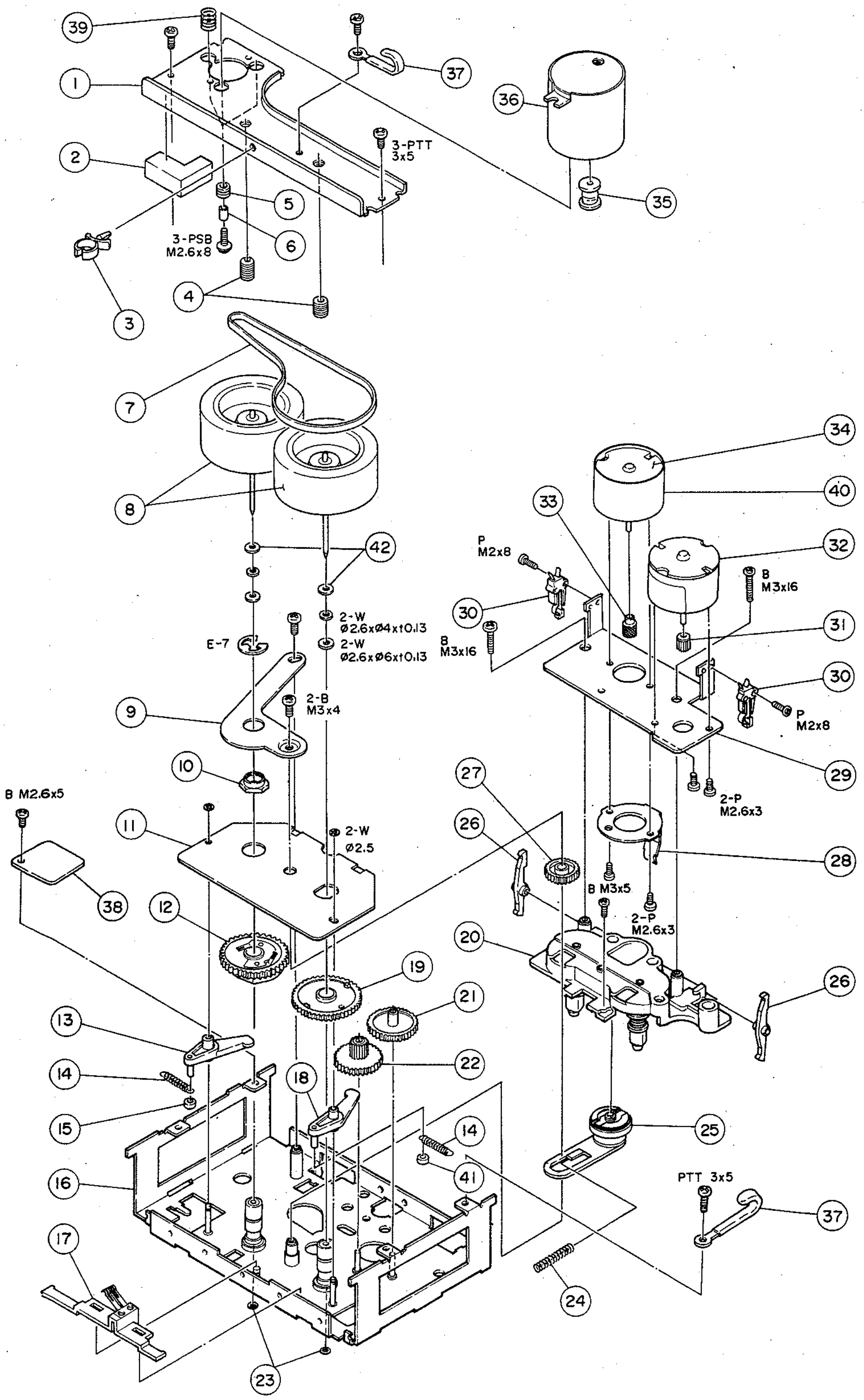
EXPLODED VIEW-2


1
2
3
2-Pan Head
Tapping
M2.6x5
1
11
4
5
E-3
2-B
M3x4
6
P
M2 x8
12
2
W
Ø 2.1xØ6xt0.3
Pan Head Tapping
M2x5
7
13
2-Pan
Head
Tapping
M2x4
(BLK Ni)
B M2x5
8
14
B M3x4
9
21
10
P M2.6x10
B
M3x4
15
18
P M2x4
3-F
M2x6
16
22
19
W
Ø3.1xØ6xt0.25
M2x8
20
24
P M2.6x10
2-F
M2x6
23
P M2x4
17
25
21
M2x8
26
22
23
27
P M2x4
31
B
M3x6
28
32
30
43
B
M3x6
E-2.5
W
Ø3.1
33
29
44
34
32
36
E-2.5
W
Ø3xØ6xt0.5
W Ø3.1
37
P
M2.6x5
35
41
W
Ø3xØ6xt0.5
45
34
42
39
40
2-FTT 3x6
46
40
47
38
46
48

REF. NO.	PARTS NO.	DESCRIPTION	COMMON MODELS	REMARKS
2 - 1	*5760210500	Spring, Cassette Pressure; B		
2 - 2	*5760209801	Sleeve, Holder		
2 - 3	*5760211800	Spring, Lever		
2 - 4	*5760212000	Spring, Lock Lever		
2 - 5	*5760210000	Lever, Cassette Lock		
2 - 6	*5760212100	Spring, Eject Lever		
2 - 7	5760213600	Switch, MSW-S-101CU		
2 - 8	*5760209500	Guide Assy, Holder; L		
2 - 9	*5760210400	Plate, Cassette Holder		
2 - 10	*5760211900	Spring, Holder Plate; B		
2 - 11	*5760209400	Holder Assy, Cassette		
2 - 12	*5760210300	Bracket, Damper		
2 - 13	*5760210100	Lever, Cassette Pressure		
2 - 14	*5760210200	Damper Assy		
2 - 15	*5800363900	Clamper, Cord		
2 - 16	*5760212200	Spring, Pressure Lever		
2 - 17	*5760209600	Guide Assy, Holder; R		
2 - 18	5760214000	Lamp		
2 - 19	*5760210800	Cap, Lamp; G80		
2 - 20	*5760210600	Plate, Illumination		
2 - 21	5378901700	Head, Erase		
2 - 22	*5800356800	Spring, Erase Head Bracket		
2 - 23	*5800356700	Bracket, Erase Head		
2 - 24	5378901501	Head, REC/PLAY		
2 - 25	*5760167600	Plate, Head		
2 - 26	*5800356600	Spring, REC/PLAY Head		
2 - 27	*5800356401	Plate Assy, Head Mounting		
2 - 28	*5800356500	Spring, Head Mounting Plate		
2 - 29	*5760169601	Plate Assy, Head Base; A		
2 - 30	*5760211301	Spring, Head Base		
2 - 31	*5760168800	Shoe, Brake		
2 - 32	*5760167900	Spring, Base Plate Pressure		
2 - 33	5760167800	Guide, Cassette; B		
2 - 34	5760212900	Steel Ball, $\phi 2.5$		
2 - 35	5760167700	Guide, Cassette; A		
2 - 36	5760166503	Arm B Assy, Pinch Roller; F		
2 - 37	*5800357800	Spring, Pinch Roller F; B		
2 - 38	*5800460300	Bracket, Transport		
2 - 39	*5800357600	Spring, Pinch Roller F; A		
2 - 40	*5760212500	Washer, $\phi 6.1 \times \phi 10 \times t0.3$		
2 - 41	*5760209700	Clamper, Cord		
2 - 42	*5228008900	Sensor Assy, LP-101T		
2 - 43	5760166403	Arm B Assy, Pinch Roller; R		
2 - 44	*5800357900	Spring, Pinch Roller R; B		
2 - 45	*5800357700	Spring, Pinch Roller R; A		
2 - 46	5540055000	Steel Ball, $\phi 2$		
2 - 47	*5800389000	Chassis Assy, Mechanism; L		
2 - 48	*5760212600	Washer, $\phi 2.4 \times \phi 6 \times t0.3$		

Parts marked with *require longer delivery time.

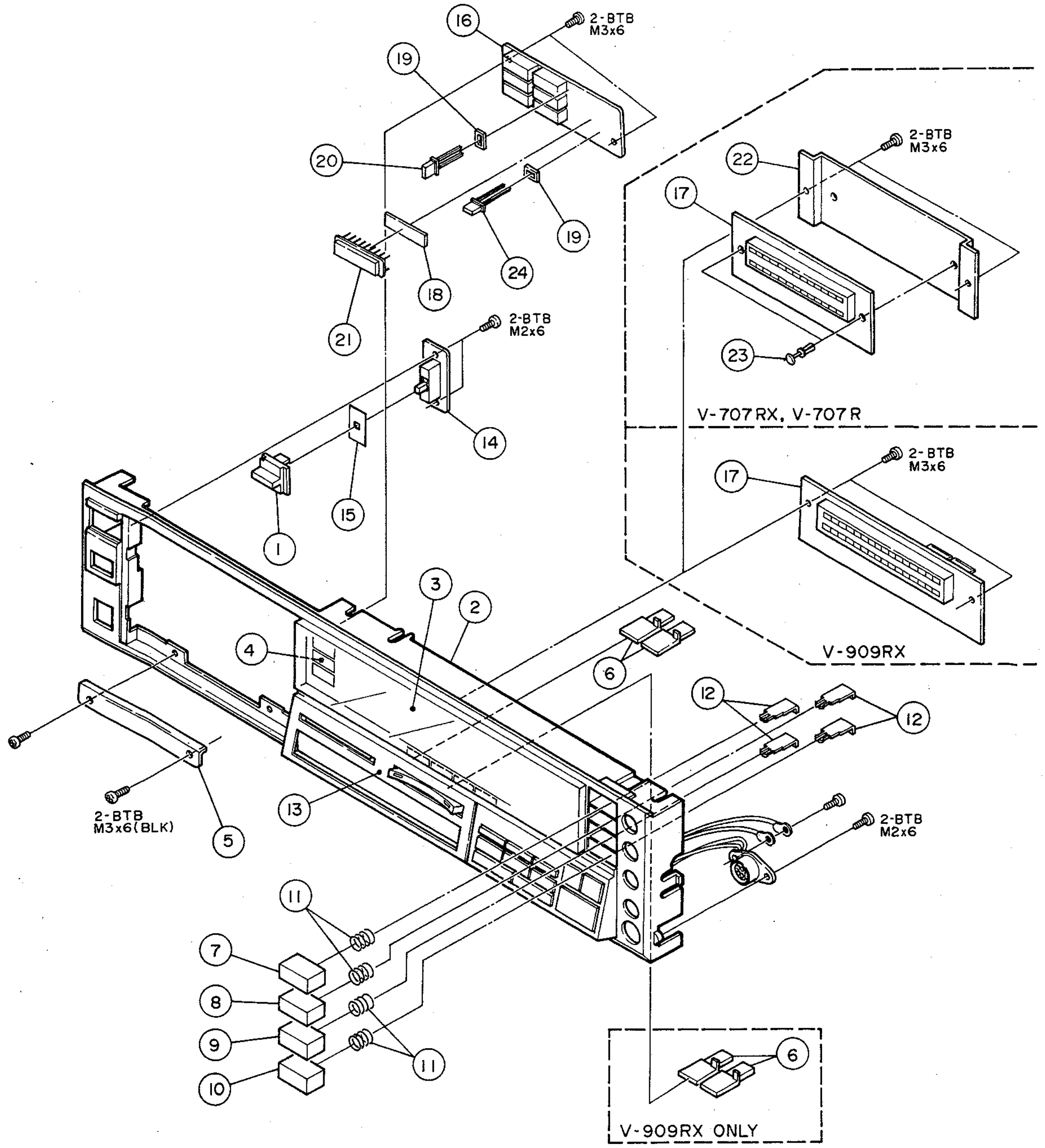
EXPLODED VIEW-3


39
1
2
3
3-PSB
M2.6x8
4
5
6
37
3-PTT
3x5
36
35
7
8
42
E-7
2-W
Ø2.6xØ4xt0.13
2-W
Ø2.6xØ6xt0.13
2-B
M3x4
9
10
B M2.6x5
11
2-W
Ø2.5
38
12
13
14
15
16
17
18
19
21
22
23
34
40
33
P
M2x8
32
B
M3x16
30
B
M3x16
31
30
P
M2x8
29
2-P
M2.6x3
27
26
28
B M3x5
2-P
M2.6x3
20
26
14
41
25
PTT 3x5
37
24

REF. NO.	PARTS NO.	DESCRIPTION	COMMON MODELS	REMARKS
3 - 1	*5800460200	Support Plate, Flywheel		
3 - 2	*5800388700	Cushion		
3 - 3	*5786770200	Clamp, Cable		
3 - 4	*5760169200	Screw, Thrust		
3 - 5	*5534537000	Cushion		
3 - 6	*5785602650	Spacer		
3 - 7	5760166700	Belt, Capstan Drive		
3 - 8	5760167101	Flywheel Assy		
3 - 9	*5760168501	Plate, Adjusting		
3 - 10	*5760169301	Collar, Eccentric		
3 - 11	*5200113200	PCB Assy, CAM; B		
3 - 12	5760167500	Cam Assy, F		
3 - 13	*5760168000	Lever, Pinch Roller Actuating; F		
3 - 14	*5760211200	Spring, Pinch Roller Actuating; B		
3 - 15	*5800358600	Collar, Pinch Arm; F		
3 - 16	*5800389000	Chassis Assy, Mechanism; L		
3 - 17	*5760167400	Lever Assy, Direction		
3 - 18	*5760168100	Lever, Pinch Roller Actuating; R		
3 - 19	5760168400	Cam, R		
3 - 20	5800388201	Block Assy, Reel; A		
3 - 21	5760168200	Gear, 2nd		
3 - 22	5760168300	Gear, 3rd		
3 - 23	*5760212600	Washer, Nylon		
3 - 24	*5760211401	Spring, Idler Plate Assy; B		
3 - 25	5800515400	Block Assy, Idler		
3 - 26	*5760168700	Lever, REC		
3 - 27	5760168600	Gear, Relay		
3 - 28	*5760209900	Spring, Cassette Pressure		
3 - 29	*5760169100	Bracket, Motor		
3 - 30	5760213600	Switch, MSW-S-101CU		
3 - 31	5760215000	Pinion		
3 - 32	5760214900	Motor, Mechanism; MMN-6C2LKC		
3 - 33	5760214800	Pulley, Reel Motor; B		
3 - 34	5760214700	Motor, Reel; MMN-6C2LKB		
3 - 35	5760215200	Pulley, Main Motor		
3 - 36	5760215100	Motor, Main; MMN-6A2RKXA		
3 - 37	*5581038000	Clamper, Cord; A		
3 - 38	*5210118500	PCB, JOINT [All except U, C]		
	*5210118600	PCB, JOINT [U, C]		
3 - 39	*5800469800	Spring, Motor		
3 - 40	*5800364600	Shild Core		
3 - 41	*5800358700	Collar, Pinch Arm; R		
3 - 42	*5800365200	Washer, Φ6 x Φ2.4 x t0.25		

Parts marked with *require longer delivery time.

EXPLODED VIEW-4



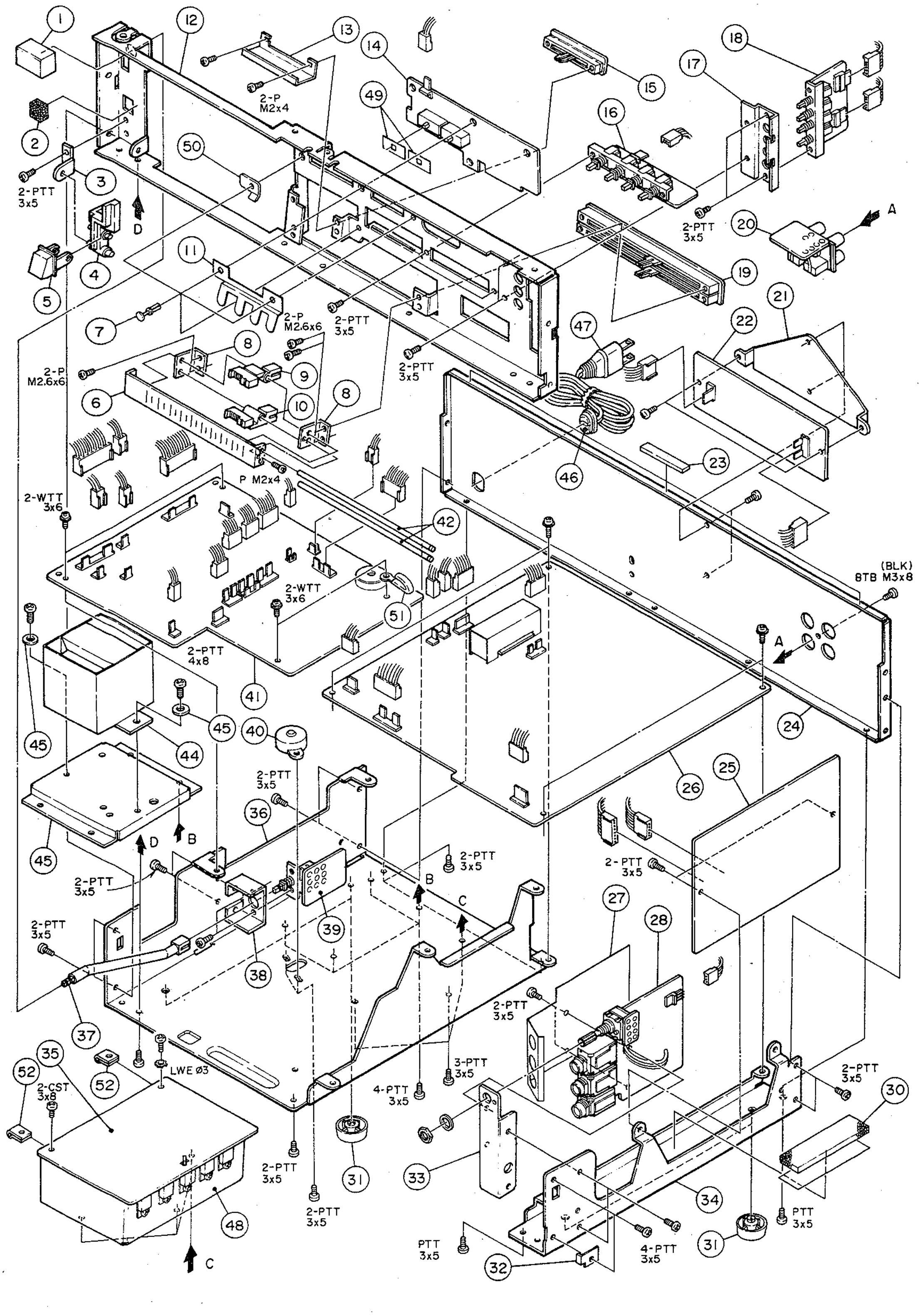
16
2-BTB M3x6
19
20
19
24
18
21
2-BTB M2x6
14
15
1
22
2-BTB M3x6
17
23
V-707RX, V-707R
17
2-BTB M3x6
V-909RX
3
2
4
6
12
12
13
2-BTB M3x6(BLK)
5
2-BTB M2x6
11
7
8
9
10
11
6
V-909RX ONLY

REF. NO.	PARTS NO.	DESCRIPTION	COMMON MODELS	REMARKS
4 - 1	5800506900	Knob, TIMER Switch [BL Type]		
	5800458500	Knob, TIMER Switch [NORMAL Type]		
4 - 2	*5800468002	Escutcheon, Front		
4 - 3	*5800458600	Cover, Meter		
4 - 4	*5800455702	Sheet, LED Indication; 1 [V-909RX/V-909RX BL]		
	*5800455902	Sheet, LED Indication; 3 [V-707RX/V-707RX BL]		
	*5800455802	Sheet, LED Indication; 2 [V-707R/V-707R BL]		
4 - 5	*5800458400	Cover, Head		
4 - 6	5800507000	Button, Tact Switch [BL Type]		
	5800458900	Button, Tact Switch [NORMAL Type]		
4 - 7	5800456000	Button, DBX [V-909RX, V-909RX BL, V-707RX, V-707RX BL]		
	5800456100	Button, Dolby-B [V-707R, V-707R BL]		
4 - 8	5800456100	Button, Dolby-B [V-909RX, V-909RX BL, V-707RX, V-707RX BL]		
	5800456200	Button, Dolby-C [V-707R, V-707R BL]		
4 - 9	5800456200	Button, Dolby-C [V-909RX, V-909RX BL]		
	5800456300	Button, OUT [V-707RX, V-707RX BL, V-707R, V-707R BL]		
4 - 10	5800456300	Button, OUT [V-909RX, V-909RX BL]		
	5800456500	Button, DISC [V-707RX, V-707RX BL]		
	5800456400	Button, MPX [V-707R, V-707R BL]		
4 - 11	*5800467700	Spring, NR Button		
4 - 12	*5800457500	Lever, NR Button		
4 - 13	5801853900	KEY Unit Assy, BL(1) [V-909RX BL]		
	5301853700	KEY Unit Assy, (1) [V-909RX]		
	5301854000	KEY Unit Assy, BL(2) [V-707RX BL]		
	5301853800	KEY Unit Assy, (2) [V-707RX, V-707R]		
	5301854000	KEY Unit Assy, [V-707R BL]		
4 - 14	*5200116601	PCB Assy, TIMER [All except U, C]		
	*5200116611	PCB Assy, TIMER [U, C]		
4 - 15	*5800470100	Sheet, Slide SW		
4 - 16	*5200114300	PCB Assy, LED [All except U, C: V-909RX BL, V-909RX]		
	*5200114310	PCB Assy, LED [U, C: V-909RX BL, V-909RX]		
	*5200114320	PCB Assy, LED [All except U, C: V-707R BL, V-707RX]		
	*5200114330	PCB Assy, LED [U, C: V-707RX BL, V-707RX]		
	*5200114340	PCB Assy, LED [All except U, C: V-707R BL, V-707R]		
	*5200114350	PCB Assy, LED [U, C: V-707RX BL, V-707R]		
4 - 17	5296006500	Meter Module, Level; LT-1088 [V-909RX BL, V-909RX]		
	5296003900	Meter Module, Level; LT-1033 [V-707RX BL, V-707RX, V-707R BL, V-707R]		
4 - 18	*5800457300	Spacer, Counter		
4 - 19	*5800482500	Spacer, LED		
4 - 20	*5225011900	LED, SLP-2730N		
4 - 21	*5225012300	Counter, SL-2405-05C		
4 - 22	*5800455400	Bracket, Level Meter		
4 - 23	*5534878000	Rivet, Push		
4 - 24	*5225012200	LED, SLP-173B01		

Parts marked with *require longer delivery time.

[U] : U.S.A. [C] : CANADA [GE] : GENERAL EXPORT [A] : AUSTRALIA
[E] : EUROPE [UK] : U.K. [L] : LIMITED AREA [J] : JAPAN

EXPLODED VIEW-5


1
12
13
14
15
16
17
18
2
2-P
M2x4
49
50
3
2-PTT
3x5
D
4
5
11
20
A
19
21
22
47
7
2-P
M2.6x6
2-PTT
3x5
8
9
10
8
2-PTT
3x5
2-P
M2.6x6
6
23
46
P M2x4
2-WTT
3x6
42
(BLK)
8TB M3x8
2-WTT
3x6
51
A
2-PTT
4x8
41
45
45
40
24
44
2-PTT
3x5
36
26
25
45
D
B
2-PTT
3x5
B
C
2-PTT
3x5
2-PTT
3x5
2-PTT
3x5
39
27
28
38
2-PTT
3x5
37
35
52
2-CST
3x8
52
LWE Ø3
3-PTT
3x5
4-PTT
3x5
2-PTT
3x5
30
2-PTT
3x5
31
33
34
48
2-PTT
3x5
PTT
3x5
PTT
3x5
4-PTT
3x5
31
32
C

REF. NO.	PARTS NO.	DESCRIPTION	COMMON MODELS	REMARKS
5 - 1	5800375000	Button, Power [V-909RX, V-707RX, V-707R]		
	5800507600	Button, Power; BL [V-707RX BL, V-707R BL, V-909RX BL]		
5 - 2	*5800457600	Sponge, Eject		
5 - 3	*5800458200	Bracket, Eject Arm		
5 - 4	*5800458000	Arm, Eject		
5 - 5	5800506800	Button, Eject; BL [BL Type]		
	5800458700	Button, Eject [NORMAL Type]		
5 - 6	*5800510600	VR Panel, L; BL [BL Type]		
	*5800460400	VR Panel [NORMAL Type]		
5 - 7	*5786610200	Push Livet (RP-3045-NB)		
5 - 8	*5800457200	Bracket, Shaft		
5 - 9	5800507200	Knob Assy, VR; A [BL Type]		
	5800459000	Knob Assy, VR; A [NORMAL Type]		
5 - 10	5800507400	Knob Assy, VR;B [BL Type]		
	5800459300	Knob Assy, VR; B [NORMAL Type]		
5 - 11	*5800467800	Switch Spring, Tact		
5 - 12	*5800460800	Chassis, Front		
5 - 13	*5800510500	VR Panel, S; BL [V0909RX BL]		
	*5800460000	VR Panel, S [V-909RX]		
5 - 14	*5200113500	PCB Assy, Switch [All except U, C: V-909RX BL, V-909RX]		
	*5200113510	PCB Assy, SWITCH[U,C:V-909RX BL,V-909RX]		
	*5200113520	PCB Assy, SWITCH[All except U,C: V-707RX BL, V-707RX] [J, E: V-707R, V-707R BL]		
	*5200113530	PCB Assy, SWITCH [U, C: V-707RX BL, V-707RX]		
5 - 15	*5200118300	PCB Assy, VR; C[All except U, C: V-909RX BL, V-909RX]		
	*5200118310	PCB Assy, VR; C[V,C:V-909RX BL, V-909RX]		
5 - 16	*5200113600	PCB Assy, SWITCH; I [All except U,C: V-909RX]		
	*5200113510	PCB Assy, SWITCH; I [U, C; V-909RX]		
5 - 17	*5800457800	Bracket, Trem Switch		
5 - 18	*5200113700	PCB Assy, SWITCH; 2 [All except U, C: V-909RX BL, V-909RX]		
	*5200113710	PCB Assy, SWITCH; 2 [U, C: V-909RX BL, V-909RX]		
	*5200113800	PCB Assy, SWITCH; 3 [All except U, C: V-707RX BL, V-707RX]		
	*5200113810	PCB Assy, SWITCH; 3 [U, C: V-707RX BL, V-707RX]		
	*5200113900	PCB Assy, SWITCH;4[J,E:V-707R BL,V-707R]		
5 - 19	*5200114100	PCB Assy, VR;A [All except U, C]		
	*5200114110	PCB Assy, VR; A [U, C]		
5 - 20	*5200114000	PCB Assy, JACK [All excet U, C]		
	*5200114010	PCB Assy, JACK [U, C]		
5 - 21	*5800457000	Bracket, PCB [All except V-707R BL, V-707R]		
5 - 22	*5200115800	PCB Assy, VCA [V-909RX BL, V-909RX]		
	*5200116101	PCB Assy, DOLBY B [V-707RX BL, V-707RX]		
5 - 23	*5555570000	Cushion, B	A-500	
5 - 24	*5800467501	Panel, Rear		
5 - 25	*5200116000	PCB Assy, DBX [All except V-707R BL,V-707R]		
5 - 26	*5200113400	PCB Assy, REC/PLAY [All except U, C: V-909RX BL, V-909RX]		
	*5200113410	PCB Assy, REC/PLAY [U, C: V-909RX BL, V-909RX]		
	*5200113420	PCB Assy, REC/PLAY [All except U, C: V-707RX BL, V-707RX]		
	*5200113430	PCB Assy, REC/PLAY [U, C: V-707RX BL, V-707RX]		
	*5200113440	PCB Assy, REC/PLAY [All except U, C: V-707R BL, V-707R]		
	*5200113450	PCB Assy, REC/PLAY[U,C:V-707R BL, V-707R]		

Parts marked with *require longer delivery time.

[U] : U.S.A.
[C] : CANADA
[GE] : GENERAL EXPORT
[A] : AUSTRALIA
[E] : EUROPE
[UK] : U.K.
[L] : LIMITED AREA
[J] :JAPAN

REF. NO.	PARTS NO.	DESCRIPTION	COMMON MODELS	REMARKS
5 - 27	*5800483000	Plate, Insulating		
5 - 28	*5200114400	PCB Assy, MIC [All except U, C]		
	*5200114410	PCB Assy, MIC [U, C]		
5 - 29	*5200114200	PCB Assy, VR; B [All except U, C]		
	*5200114210	PCB Assy, VR; B [All except U, C]		
5 - 30	*5800456900	Cushion, PCB [All except V-707R BL, V-707R]		
5 - 31	*5730003300	Foot, FF-008		
5 - 32	*5800483400	Plate Spring, Earth		
5 - 33	*5800457700	Bracket, Jack PCB		
5 - 34	*5800460700	Chassis, R		
5 - 35	*5200116300	PCB Assy, POWER [J, GE, A, L]		
	*5200116310	PCB Assy, POWER [U, C]		
	*5200116320	PCB Assy, POWER [E, UK]		
5 - 36	*5800460600	Chassis, L		
5 - 37	*5800458300	Rod, Power Switch		
5 - 38	*5800458100	Bracket, Power Switch		
5 - 39	*5200116200	PCB Assy, POWER SWITCH [J]		
	*5200116210	PCB Assy, POWER SWITCH [U]		
	*5200116220	PCB Assy, POWER SWITCH [C]		
	*5200116230	PCB Assy, POWER SWITCH [GE, L]		
	*5300116240	PCB Assy, POWER SWITCH [E, UK]		
	*5200116250	PCB Assy, POWER SIWTCH [A]		
5 - 40	*5302101700	⚠Switch, VOLTAGE SELECTOR [GE, L]		
5 - 41	*5200116701	PCB Assy, CONTROL [All except U, C: V-909RX BL, V-909RX]		
	*5200116711	PCB Assy, CONTROL [U, C; V-909RX BL, V-909RX]		
	*5200116721	PCB Assy, CONTROL [All except U, C: V-707RX BL, V-707RX] [J, E: V-707R BL, V-707R]		
	*5200116731	PCB Assy, CONTROL [U, C: V-707RX BL, V-707RX]		
5 - 42	*5800457900	Shaft, VR Slide		
5 - 43	*5800457100	Bracket, Power Transformer		
5 - 44	*5320022100	⚠Transformer, Power [J: V-909RX BL, V-909RX]		
	*5320022200	⚠Transformer, Power [U: V-909RX BL, V-909RX]		
	*5320022300	⚠Transformer, Power [GE, L: V-909RX BL, V-909RX]		
	*5320022400	⚠Transformer, Power [E, UK, A: V-909RX BL, V-909RX]		
	*5320022500	⚠Transformer, Power [C: V-909RX BL, V-909RX]		
	*5320022600	⚠Transformer, Power [J: V-707R BL, V-707R]		
	*5320022700	⚠Transformer, Power [U: V-707RX BL, V-707RX]		
	*5320022800	⚠Transformer, Power [GE, L: V-707RX BL, V-707RX]		
	*5322022900	⚠Transformer, Power [UK, A: V-707RXBL, V-707RX] [E: V-707R BL, V-707R]		
	*5320023000	⚠Transformer, Power [C:V-707RX BL, V-707RX]		
5 - 45	*5785024300	Washer, $\phi 4 \times \phi 12 \times t2$		
5 - 46	*5534660000	Strain Relief, AC Power Cord [All except UK]		
	*5317001700	Strain Relief, AC Power Cord, [UK]		
5 - 47	*5128027000	⚠Cord, AC Power [J]		
	*5350010800	⚠Cord, AC Power [U, C, GE, L]		
	*5128047000	⚠Cord, AC Power [UK]		
	*5350008200	⚠Cord, AC Power [E]		
	*5350008300	⚠Cord, AC Power [A]		
5 - 48	*5800460500	Bracket, Power PCB		
5 - 49	*5800470100	Sheet, Slide SW		
5 - 50	*5800510900	Spring, Eeath		
5 - 51	*5881038000	Clamper, Cord; A		
5 - 52	*5781874100	Speed Nut, M3 x t0.5		

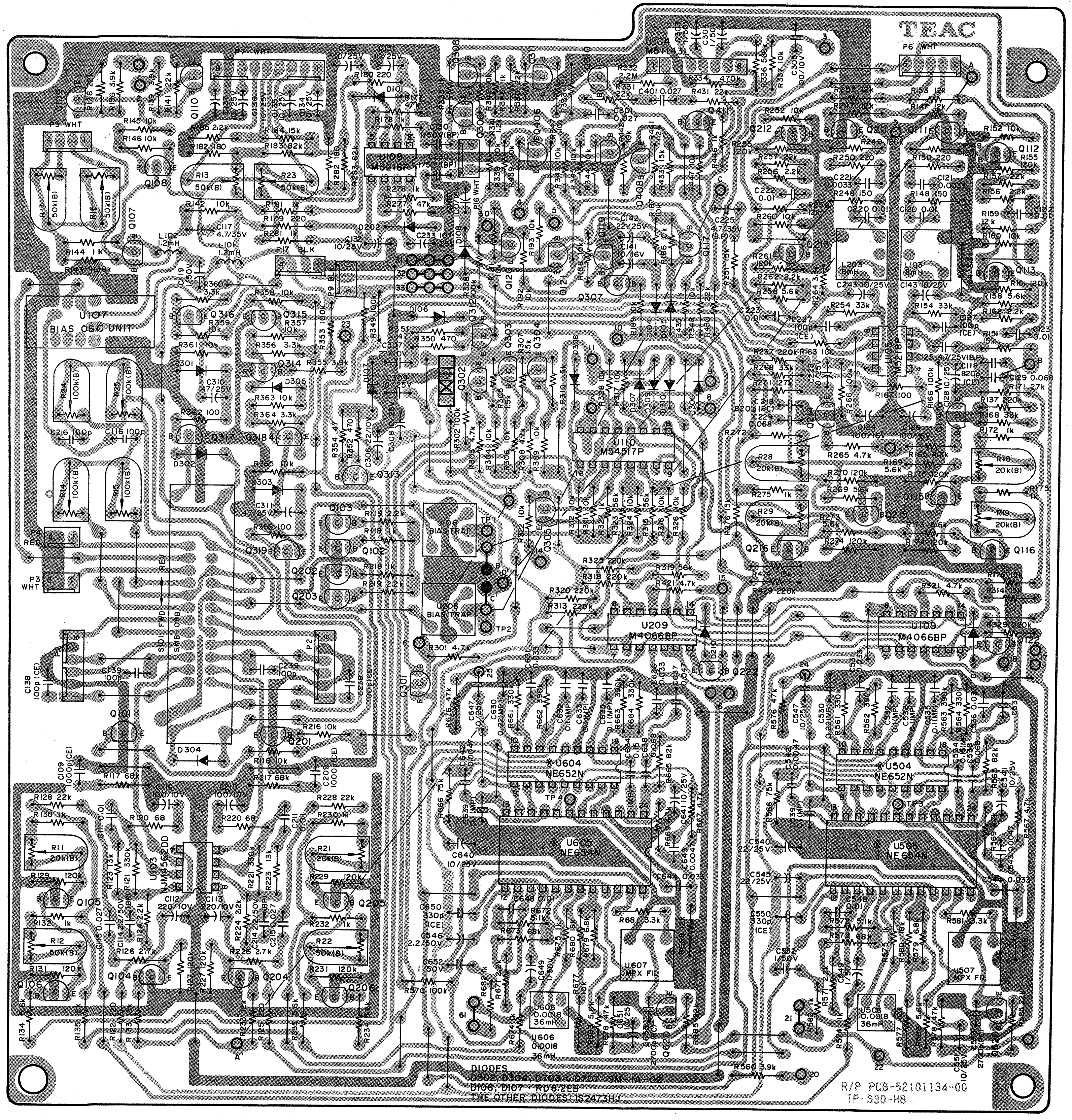
Parts marked with *require longer delivery time.

[U] : U.S.A.
[C] : CANADA
[GE] : GENERAL EXPORT
[A] : AUSTRALIA
[E] : EUROPE
[UK] : U.K.
[L] : LIMITED AREA
[J] :JAPAN

7 PC BOARDS AND PARTS LIST

PC Board shown viewed from foil side.

REC/PLAY AMPL. PCB ASSY(V-909RX)


TEAC
P7 WHT
P6 WHT
P5 WHT
P4 RED
P3 WHT
P2
P1
U107 BIAS OSC UNIT
U104 M51143L
U108 M5218P
U105 M5218P
U110 M54517P
U209 M4066BP
U109 M4066BP
U604 NE652N
U504 NE652N
U605 NE654N
U505 NE654N
U607 MPX FIL
U507 MPX FIL
U606 0.0018 36mH
U506 0.0018 36mH
U106 BIAS TRAP
U206 BIAS TRAP
U103 NJM4562DD
TP1
TP2
DIODES
D302, D304, D703～D707 : SM-1A-02
D106, D107 : RD8.2EB
THE OTHER DIODES : 1S2473HJ
R/P PCB-52101134-00
TP-S30-HB

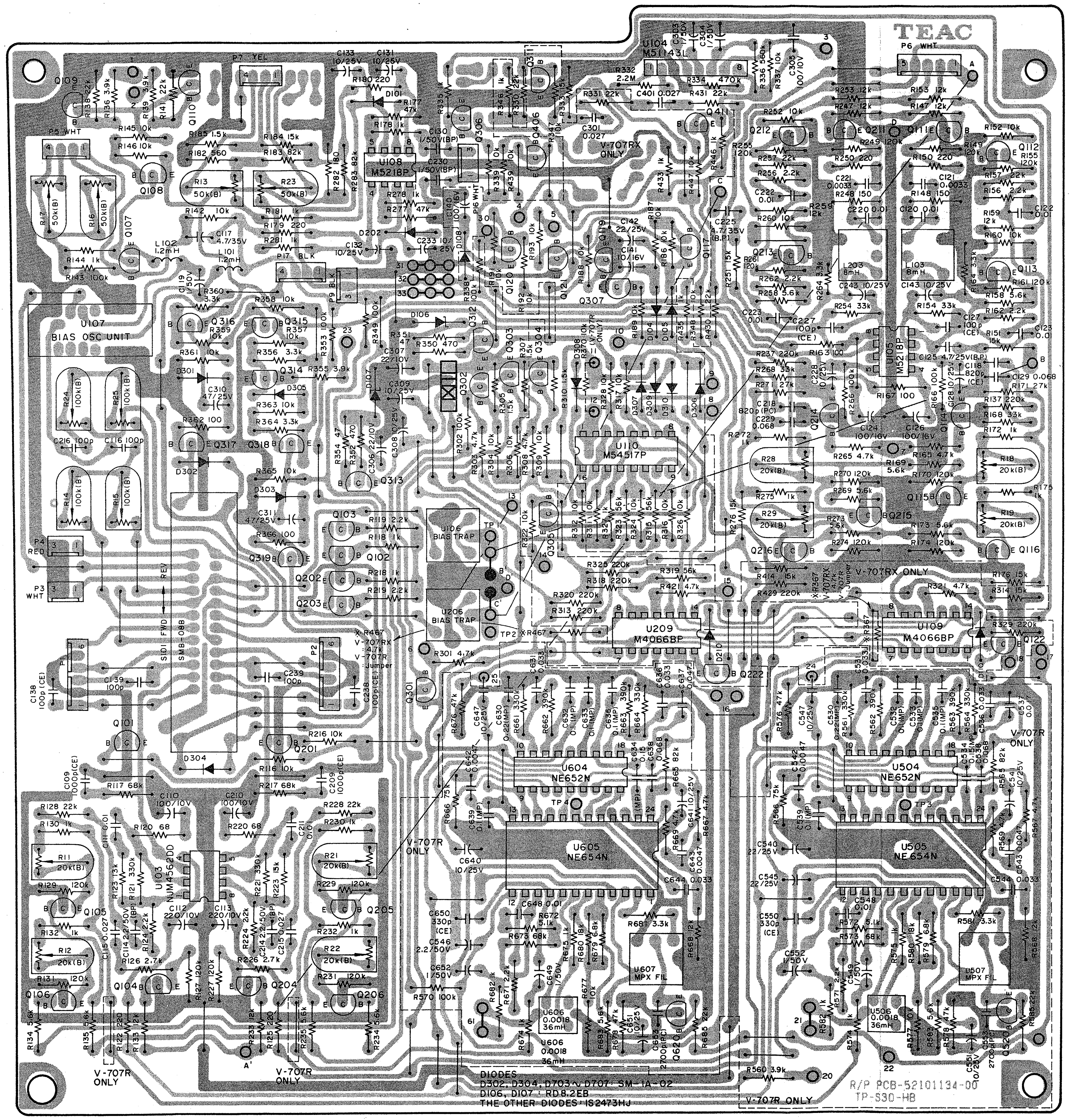
NOTES

1. PC boards are shown viewed from foil side.
2. The colors on the PC board illustrations have the following significance:
   - ▨ : +B power supply circuit
   - ▨ : –B power supply circuit
   - ▨ : GND
   - ▨ : other
3. Resistors
   - ● Resistor values are in ohms (k=1000ohms)
4. ● All capacitor values are in microfarads (p=picofarads).

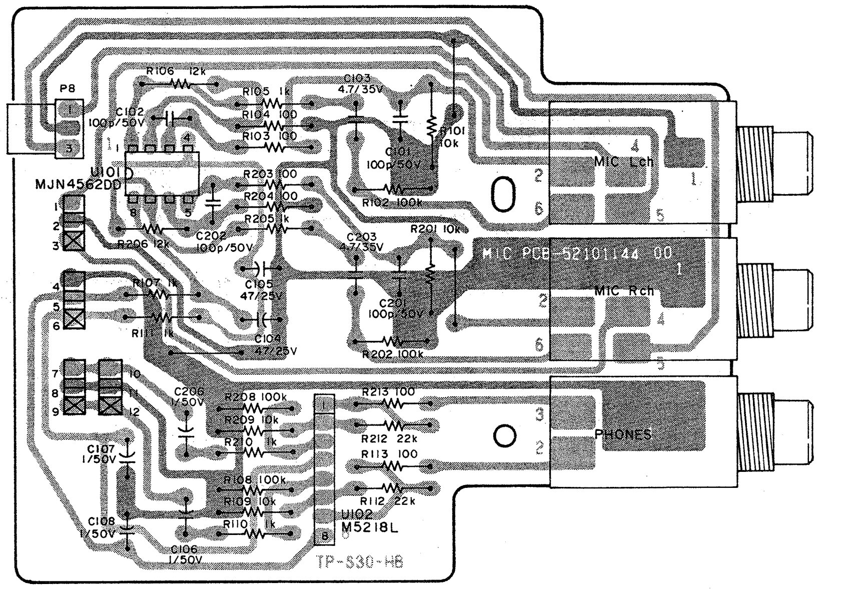
注

1．基板図はパターン面が示されています。
2．プリント・パターンは次のように色別されています。
   - ▨ ：＋B電源回路
   - ▨ ：－B電源回路
   - ▨ ：GND
   - ▨ ：その他のパターン
3．抵抗の単位はΩ（k＝kΩ，M＝MΩ）。
4．コンデンサの単位は，μF（p＝pF）。

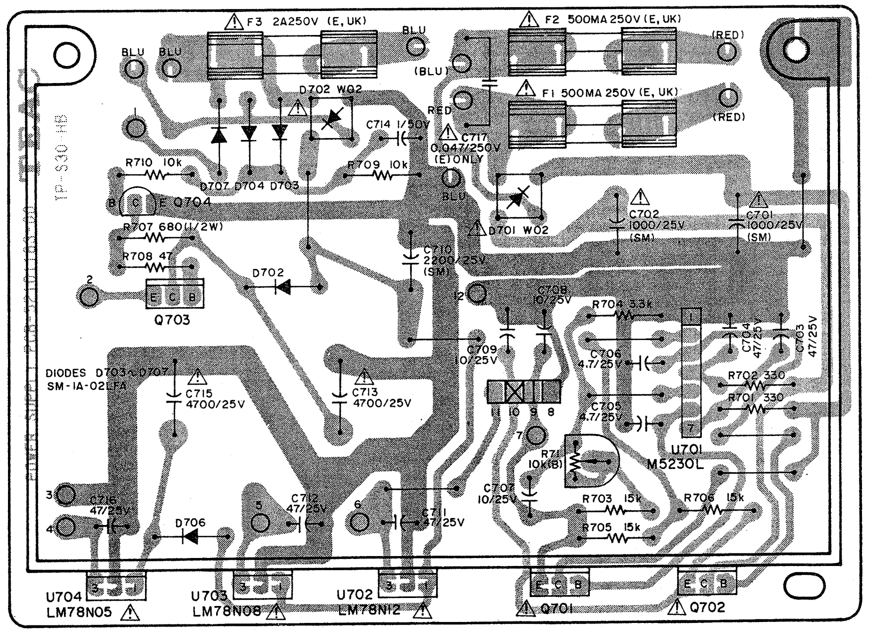
REC/PLAY AMPL. PCB ASSY(V-707RX/V-707R)


TEAC
P6 WHT
P7 YEL
P4 WHT
P3 WHT
P4 RED
U104 M51143L
U108 M5218P
U107 BIAS OSC UNIT
U110 M54517P
U106 BIAS TRAP
U206 BIAS TRAP
U209 M4066BP
U109 M4066BP
U103 NJM4562DD
U604 NE652N
U504 NE652N
U605 NE654N
U505 NE654N
U607 MPX FIL
U507 MPX FIL
V-707RX ONLY
V-707R ONLY
DIODES
D302, D304, D703~D707 : SM-1A-02
D106, D107 : RD8.2EB
THE OTHER DIODES : 1S2473HJ
R/P PCB-52101134-00
TP-S30-HB

MIC PCB ASSY


P8
U101 MJN4562DD
U102 M5218L
MIC PCB-52101144-00
MIC Lch
MIC Rch
PHONES
TP-S30-HB

POWER SUPPLY PCB ASSY

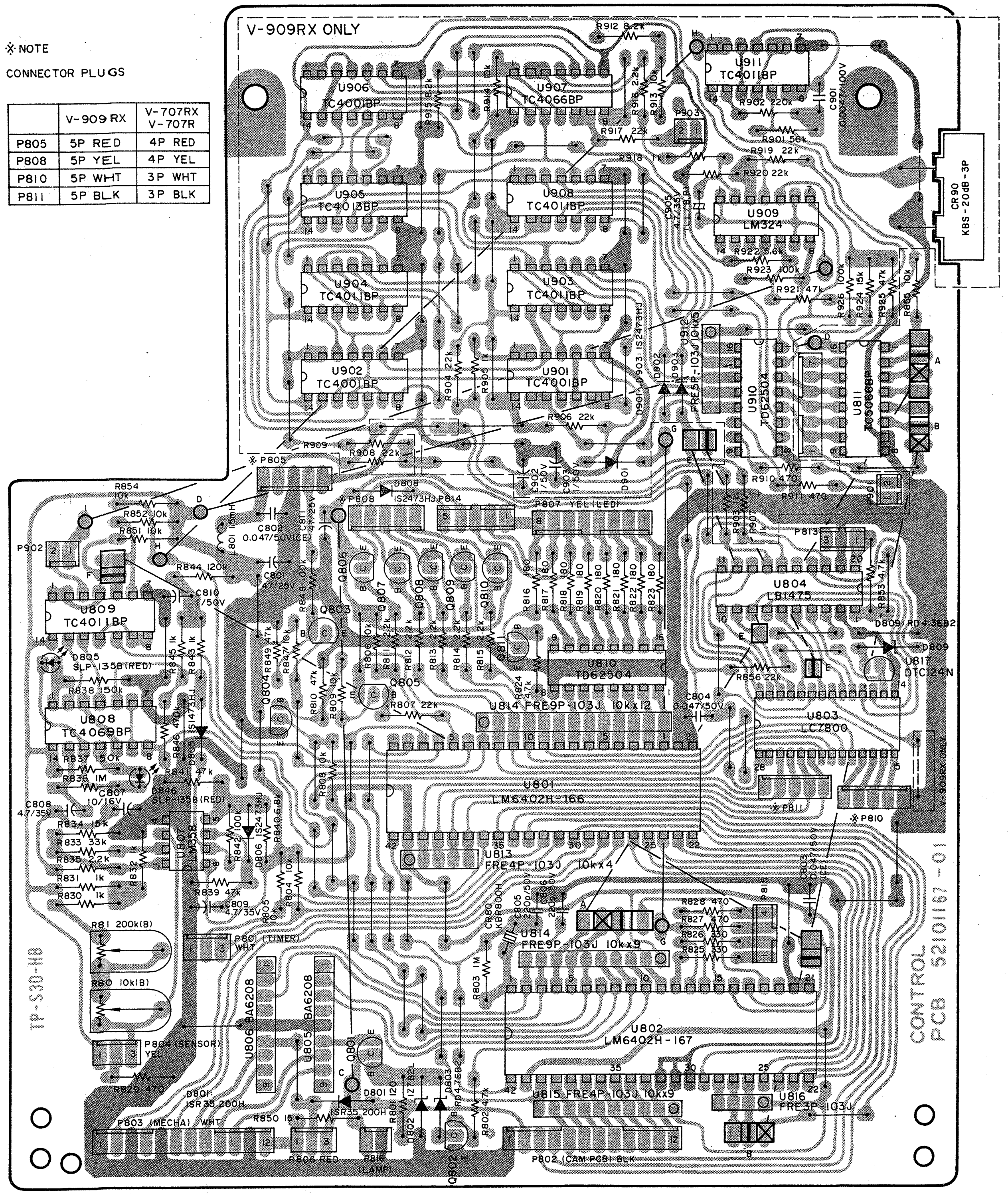

F3 2A250V (E, UK)
F2 500MA 250V (E, UK)
F1 500MA 250V (E, UK)
BLU
(RED)
D702 W02
D701 W02
C702 1000/25V (SM)
C701 1000/25V (SM)
C715 4700/25V
C713 4700/25V
DIODES D703~D707 SM-1A-02LFA
U704 LM78N05
U703 LM78N08
U702 LM78N12
U701 M5230L
Q701
Q702
Q703
Q704
TEAC
TP-S30-HB

CONTROL PCB ASSY

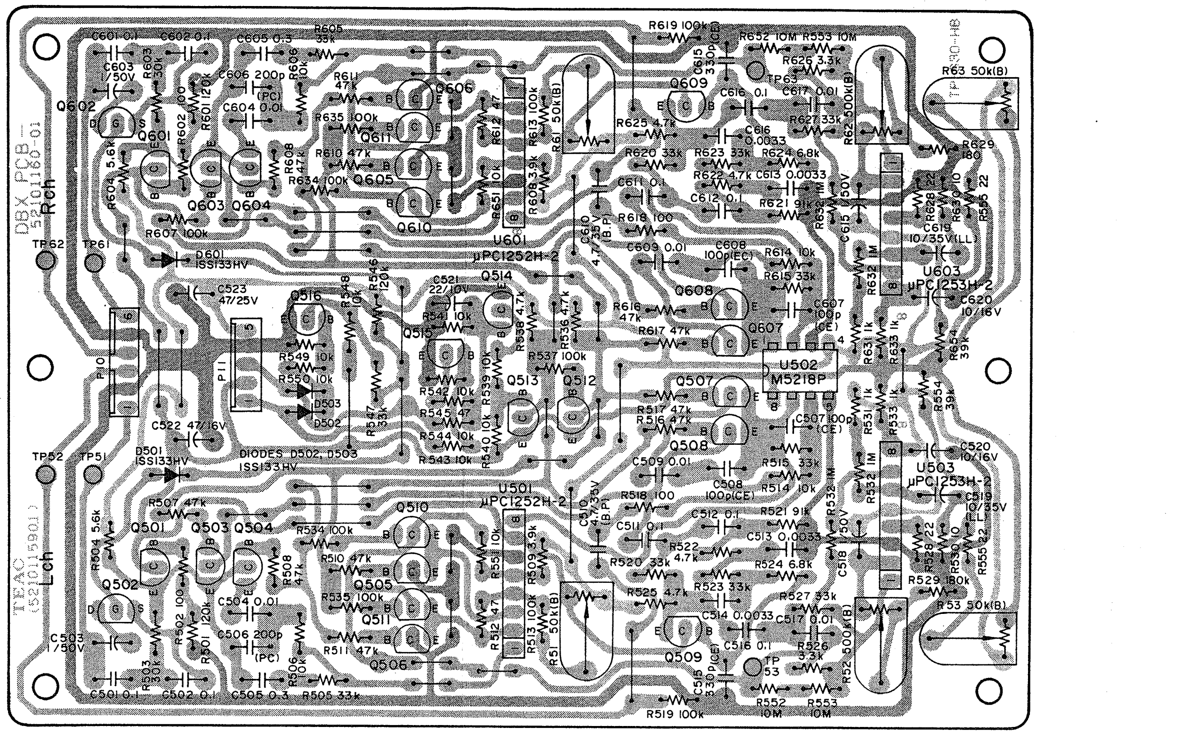
※NOTE

CONNECTOR PLUGS

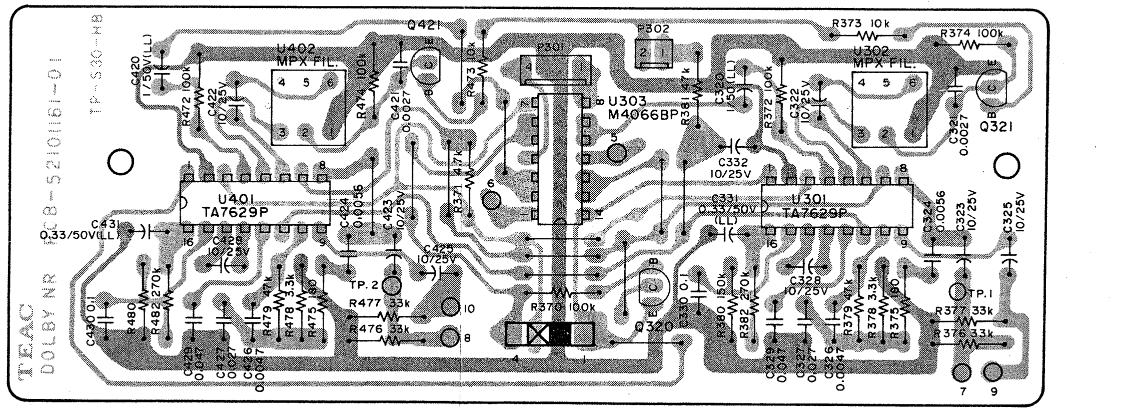
	V-909RX	V-707RX V-707R
P805	5P RED	4P RED
P808	5P YEL	4P YEL
P810	5P WHT	3P WHT
P811	5P BLK	3P BLK


V-909RX ONLY
U906 TC4001BP
U907 TC4066BP
U911 TC4011BP
U905 TC4013BP
U908 TC4011BP
U909 LM324
U904 TC4011BP
U903 TC4011BP
U902 TC4001BP
U901 TC4001BP
U910 TD62504
U911 TC4066BP
CR90 KBS-20dB-3P
U809 TC4011BP
U808 TC4069BP
U807 UM5001
U810 TD62504
U804 LB1475
U803 LC7800
U801 LM6402H-166
U813 FRE4P-103J 10k×4
U814 FRE9P-103J 10k×12
U814 FRE9P-103J 10k×9
U802 LM6402H-167
U815 FRE4P-103J 10k×9
U816 FRE3P-103J
U806 BA6208
U805 BA6208
P801 (TIMER) WHT
P804 (SENSOR) YEL
P803 (MECHA) WHT
P806 RED
P816 (LAMP)
P802 (CAM PCB) BLK
P807 YEL (LED)
※P805
※P808
※P810
※P811
D809 RD4.3EB2
U817 DTC124N
D801 ISR35-200H
TP-S30-HB
CONTROL PCB 52101167-01

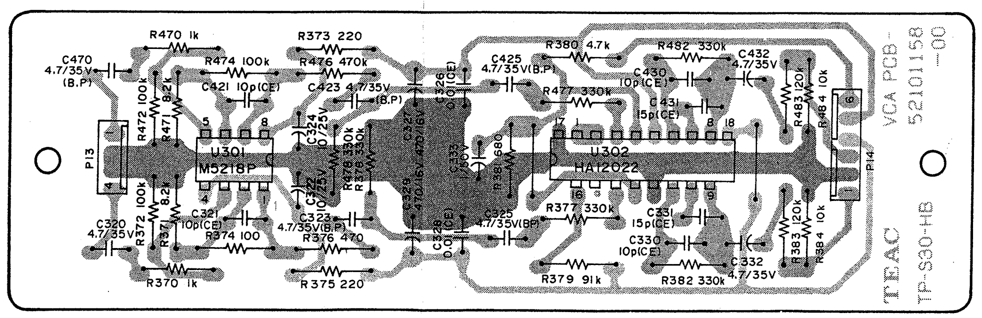
DBX PCB ASSY(V-909RX/V-707RX)


U601 μPC1252H-2
U603 μPC1253H-2
U501 μPC1252H-2
U502 M5218P
U503 μPC1253H-2
D601 ISS133HV
D501 ISS133HV
DIODES D502, D503 ISS133HV
R619 100k
R63 50k(B)
R51 50k(B)
R53 50k(B)
TP62
TP61
TP52
TP51
P10
P11
DBX PCB-52101160-01 Rch
52101159-01 Lch
TEAC
TP-S30-HB

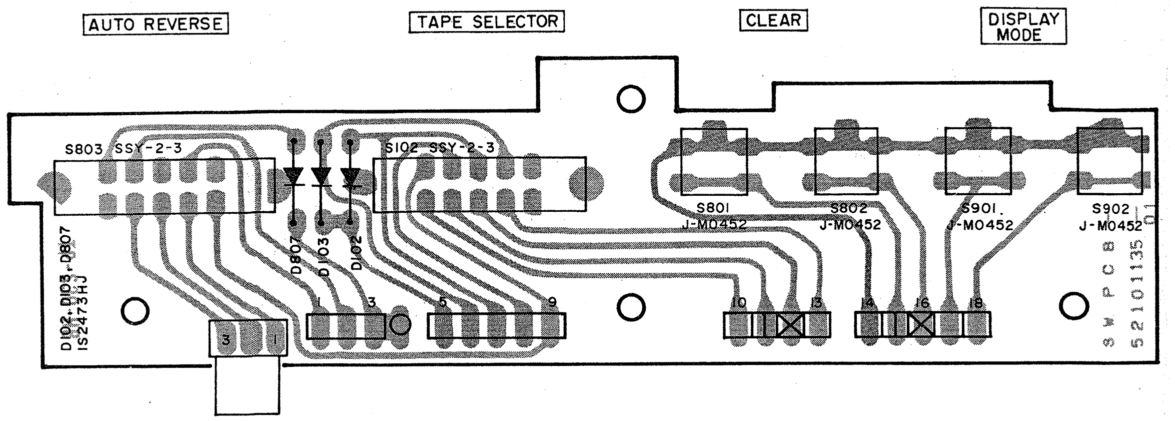
DOLBY B PCB ASSY(V-707RX)


U402 MPX FIL.
U302 MPX FIL.
U303 M4066BP
U401 TA7629P
U301 TA7629P
Q421
Q321
Q320
P301
P302
TP.2
TP.1
R370 100k
TEAC DOLBY NR PCB-52101161-01
TP-S30-HB

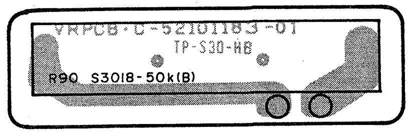
VCA PCB ASSY


U301 M5218P
U302 HA12022
P13
P14
VCA PCB-52101158-00
TEAC
TP-S30-HB

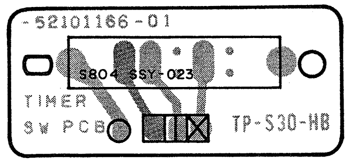
SWITCH PCB ASSY


AUTO REVERSE
TAPE SELECTOR
CLEAR
DISPLAY MODE
S803 SSY-2-3
S102 SSY-2-3
S801 J-M0452
S802 J-M0452
S901 J-M0452
S902 J-M0452
D807
D103
D102
D102, D103, D807 1S2473HJ
SW PCB 52101135-01
1
3
5
9
10
13
14
16
18

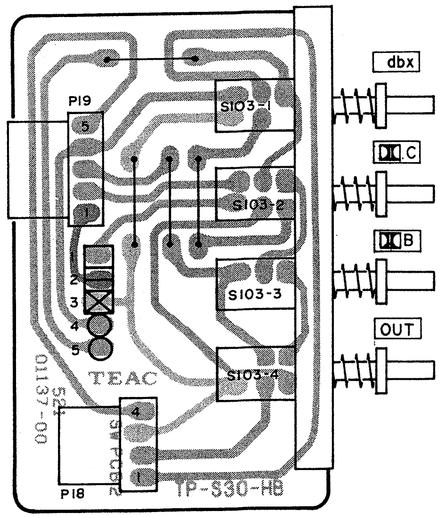
VR PCB ASSY C


VRPCB-C-52101183-01
TP-S30-HB
R90 S3018-50k(B)

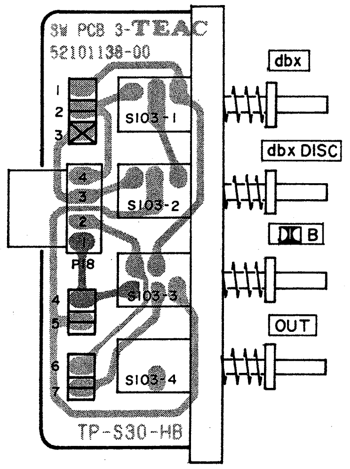
TIMER PCB ASSY


-52101166-01
S804 SSY-023
TIMER SW PCB
TP-S30-HB

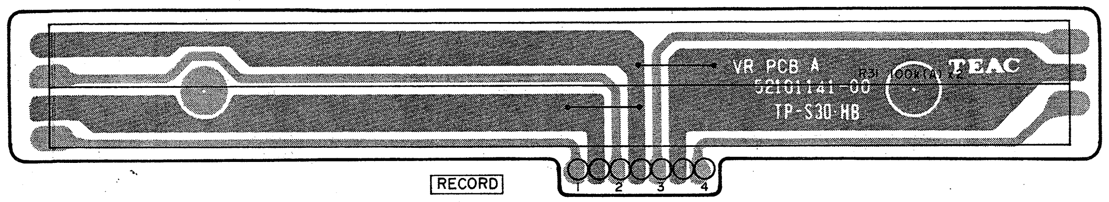
SW PCB 2 ASSY(V-909RX)


P19
S103-1
S103-2
S103-3
S103-4
dbx
C
B
OUT
TEAC
52101137-00
SW PCB2
TP-S30-HB
P18
1
2
3
4
5

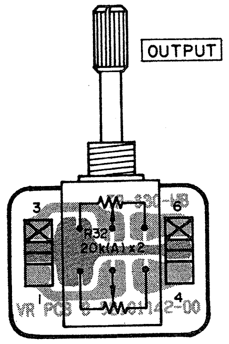
SW PCB 3 ASSY(V-707RX)


SW PCB 3-TEAC
52101138-00
S103-1
S103-2
S103-3
S103-4
P18
dbx
dbx DISC
B
OUT
TP-S30-HB
1
2
3
4
5
6
7

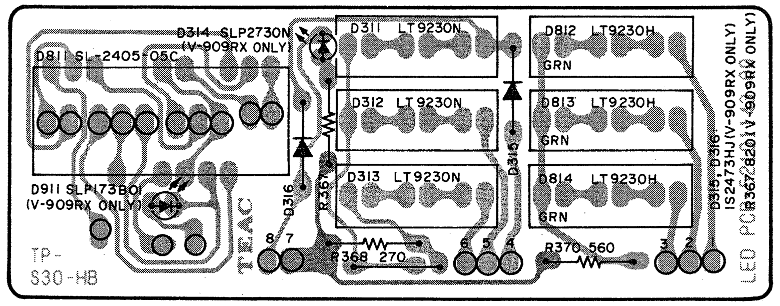
VR PCB ASSY A


VR PCB A
52101141-00
TP-S30-HB
R31 100k(A)
TEAC
RECORD
1
2
3
4

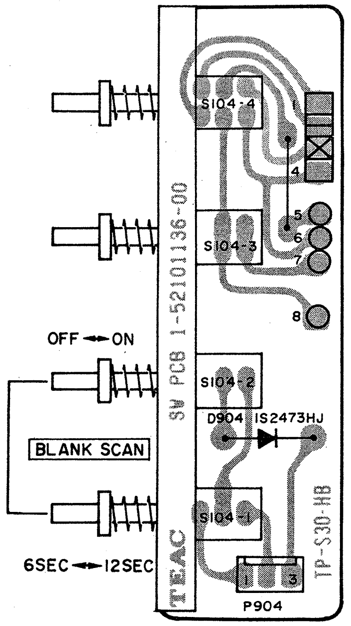
VR PCB ASSY B


OUTPUT
R32 20k(A)×2
VR PCB B 52101142-00
3
4
6

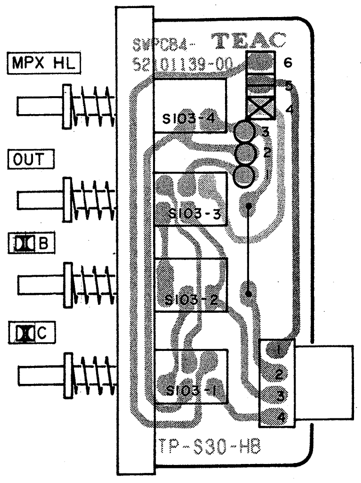
LED PCB ASSY


D314 SLP2730N (V-909RX ONLY)
D811 SL-2405-OSC
D311 LT9230N
D312 LT9230N
D313 LT9230N
D812 LT9230H GRN
D813 LT9230H GRN
D814 LT9230H GRN
D911 SLP173BO (V-909RX ONLY)
D315, D316 1S2473HJ (V-909RX ONLY)
R367 820 (V-909RX ONLY)
D315
D316
R367
R368 270
R370 560
TEAC
TP-S30-HB
LED PCB
8
7
6
5
4
3
2
1

SW PCB 1 ASSY(V-909RX)


S104-4
S104-3
S104-2
S104-1
OFF ◄► ON
BLANK SCAN
6SEC ◄► 12SEC
D904 1S2473HJ
SW PCB 1-52101136-00
TP-S30-HB
TEAC
P904
1
3
4
5
6
7
8

SW PCB 4 ASSY(V-707R)


SWPCB4-TEAC
52101139-00
S103-4
S103-3
S103-2
S103-1
MPX HL
OUT
B
C
TP-S30-HB
1
2
3
4
5
6

REC/PLAY AMPL. PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	5200113400	PCB Assy [All except U, C; V-909RX]
	5200113410	PCB Assy [U, C; V-909RX]
	5200113420	PCB Assy [All except U, C; V-707RX]
	5200113430	PCB Assy [U, C; V-707RX]
	5200113440	PCB Assy [J, E; V-707R]
	5210113400	PCB [All except U, C]
	5210104600	PCB [U, C]
	IC's	
U103	5220412500	NJM4562DD
U104	5220021500	M51143L
U105	5220418800	M5218P
U108	5220418800	M5218P
U109, U209	5220021600	M4066BP
U110	6048661000	M54517P
U504, U604	5220417400	NE652N (V-909RX, V-707R ONLY)
U505, U605	5220417500	NE654N (V-909RX, V-707R ONLY)
	TRANSISTORS	
Q101, Q201	5230778300	2SC2320F
Q102, Q202	5230778300	2SC2320F
Q103, Q203	5230778300	2SC2320F
Q104, Q204	5230778300	2SC2320F
Q105, Q205	5230778300	2SC2320F
Q106, Q206	5230778300	2SC2320F
Q107	5231758500	2SD1140
Q108	5230017920	2SA733APB
Q109, Q110	5230778300	2SC2320F
Q111, Q211	5230778300	2SC2320F
Q112, Q212	5230778300	2SC2320F
Q113, Q213	5230778300	2SC2320F
Q114, Q214	5230775000	2SC2878F
Q115, Q215	5230778300	2SC2320F
Q116, Q216	5230778300	2SC2320F
Q117	5230017920	2SA733APB (V-909RX, V-707RX)
Q119	5230778300	2SC2320F (V-909RX, V-707RX)
Q120	5230017920	2SA733APB (V-909RX, V-707RX)
Q121	5230778300	2SC2320F (V-909RX, V-707RX)
Q122, Q222	5232007300	FET,2SK364V (V-909RX, V-707RX)
Q301	5230017920	2SA733APB
Q302	5230017920	2SA733APB
Q303	5230017920	2SA733APB
Q304	5230017920	2SA733APB (V-909RX, V-707RX)
Q305	5230778300	2SC2320F (V-909RX, V-707RX)
Q306, Q406	5230775000	2SC2878B
Q307	5230778300	2SC2320F (V-909RX, V-707RX)
Q308, Q408	5230778300	2SC2320F (V-909RX ONLY)
Q309	5230778300	2SC2320F (V-909RX ONLY)
Q310	5230778300	2SC2320F (V-909RX ONLY)
Q311, Q411	5230778300	2SC2320F
Q312	5231759400	2SD863E
Q313	5230506900	2SB764E
Q314	5230778300	2SC2320F
Q315	5230778300	2SC2320F
Q316	5230017920	2SA733APB
Q317	5231759400	2SD863E
Q318	5230017920	2SA733APB
Q319	5231759400	2SD863F (V-909RX, V-707R)
Q320	5230778300	2SC2320F (V-707R ONLY)
Q520, Q620	5230778300	2SC2320F (V-909RX, V-707R)
	DIODES	
D101, D202	5143118000	1S2473HJ
D104, D105	5143118000	1S2473HJ (V-909RX, V-707RX)
D106, D107	5224541801	RD8.2EB2, Zener
D108	5143118000	1S2473HJ (V-909RX, V-707RX)
D110, D210	5143118000	1S2473HJ (V-909RX, V-707RX)
D301	5143118000	1S2473HJ
D302	5224014400	SM-1A-02LFA
D303	5143118000	1S2473HJ
D304	5224014400	SM-1A-02LFA
D305~D310	5143118000	1S2473HJ (V-909RX, V-707RX)
D305	5143118000	1S2473HJ (V-707R ONLY)
	CARBON RESISTORS	
All resistors are rated ±5% tolerance and ¼W.		
R116, R216	5181506000	10kΩ
R117, R217	5181526000	68kΩ
R118, R218	5181482000	1kΩ
R119, R219	5181490000	2.2kΩ
R120, R220	5181454000	68Ω
R121, R221	5181542000	330kΩ
R122	5181466000	220Ω
R123, R223	5181509000	13kΩ
R124, R224	5181490000	2.2kΩ
R125	5181466000	220Ω
R126, R226	5181492000	2.7kΩ
R127, R227	5181532000	120kΩ
R128, R228	5181514000	22kΩ
R129, R229	5181532000	120kΩ
R130, R230	5181482000	1kΩ
R131, R231	5181532000	120kΩ
R132, R232	5181482000	1kΩ
R133, R233	5181508000	12kΩ
R134, R234	5181500000	5.6kΩ
R135, R235	5181500000	5.6kΩ
R136	5181496000	3.9kΩ
R137, R237	5181538000	220kΩ
R138	5181514000	22kΩ
R139	5181496000	3.9kΩ
R141	5181514000	22kΩ
R142	5181506000	10kΩ
R143	5181530000	100kΩ
R144	5181482000	1kΩ
R145, R146	5181506000	10kΩ
R147, R247	5181508000	12kΩ
R148, R248	5181462000	150Ω
R149, R249	5181532000	120kΩ
R150, R250	5181466000	220Ω
R151, R251	5181510000	15kΩ
R152, R252	5181506000	10kΩ
R153, R253	5181508000	12kΩ
R154, R254	5181518000	33kΩ
R155, R255	5181532000	120kΩ
R156, R256	5181490000	2.2kΩ
R157, R257	5181514000	22kΩ
R158, R258	5181500000	5.6kΩ
R159, R259	5181508000	12kΩ
R160, R260	5181506000	10kΩ
R161, R261	5181532000	120kΩ
R162, R262	5181490000	2.2kΩ

[U] : U.S.A. [C] : CANADA [GE] : GENERAL EXPORT [A] : AUSTRALIA
[E] : EUROPE [UK] : U.K. [L] : LIMITED AREA [J] :JAPAN

REF. NO.	PART NO.	DESCRIPTION
R163	5181458000	100Ω
R164, R264	5181494000	3.3kΩ
R165, R265	5181498000	4.7kΩ
R166, R266	5181530000	100kΩ
R167	5181458000	100Ω
R168, R268	5181518000	33kΩ
R169, R269	5181500000	5.6kΩ
R170, R270	5181532000	120kΩ
R171, R271	5181516000	27kΩ
R172, R272	5181482000	1kΩ
R173, R273	5181500000	5.6kΩ
R174, R274	5181532000	120kΩ
R175, R275	5181482000	1kΩ
R176, R276	5181510000	15kΩ
R177, R277	5181522000	47kΩ
R178, R278	5181482000	1kΩ
R179, R180	5181466000	220Ω
R181, R281	5181482000	1kΩ
R182, R282	5181464000	180Ω (V-909RX)
R182, R282	5181476000	560Ω (V-707RX, V-707R)
R183, R283	5181528000	82kΩ
R184	5181510000	15kΩ
R185	5181490000	2.2kΩ (V-909RX)
R185	5181486000	1.5kΩ (V-707RX, V-707R)
R186~R189	5181506000	10kΩ (V-909RX, V-707RX)
R191~R193	5181506000	10kΩ (V-909RX, V-707RX)
R301	5181498000	4.7kΩ
R302	5181530000	100kΩ
R303	5181498000	4.7kΩ
R304	5181506000	10kΩ
R305	5181486000	1.5kΩ
R306	5181506000	10kΩ
R307	5181486000	1.5kΩ
R308	5181498000	4.7kΩ (V-909RX, V-707RX)
R309	5181506000	10kΩ (V-909RX, V-707RX)
R310	5181486000	1.5kΩ (V-909RX, V-707RX)
R311, R312	5181506000	10kΩ (V-909RX, V-707RX)
R312	5181506000	10kΩ (V-707R ONLY)
R313	5181538000	220kΩ (V-909RX, V-707RX)
R314, R414	5181510000	15kΩ (V-909RX, V-707RX)
R315	5181524000	56kΩ (V-909RX, V-707RX)
R316, R317	5181506000	10kΩ (V-909RX, V-707RX)
R318	5181538000	220kΩ (V-909RX, V-707RX)
R319	5181524000	56kΩ (V-909RX, V-707RX)
R320	5181538000	220kΩ (V-909RX, V-707RX)
R321, R421	5181498000	4.7kΩ (V-909RX, V-707RX)
R322	5181506000	10kΩ (V-909RX, V-707RX)
R323	5181524000	56kΩ (V-909RX, V-707RX)
R324	5181306000	10kΩ (V-909RX, V-707RX)
R325	5181538000	220kΩ (V-909RX, V-707RX)
R326	5181506000	10kΩ (V-909RX, V-707RX)
R327	5181482000	1kΩ (V-909RX, V-707RX)
R328	5181506000	10kΩ (V-909RX, V-707RX)
R329, R429	5181538000	220kΩ (V-909RX, V-707RX)
R330, R430	5181514000	22kΩ (V-909RX, V-707RX)
R331, R431	5181514000	22kΩ
R332	5181562000	2.2MΩ
R333, R433	5181510000	15kΩ (V-909RX, V-707RX)
R333, R433	5181482000	1kΩ (V-707R ONLY)
R334	5181546000	470kΩ (V-909RX, V-707RX)
R335, R435	5181482000	1kΩ
R336	5181548000	560kΩ
R337	5181506000	10kΩ
R338	5181530000	100kΩ
R339, R439	5181506000	10kΩ

REF. NO.	PARTS NO.	DESCRIPTION
R341, R441	5181484000	1.2kΩ (V-909RX ONLY)
R342, R442	5181506000	10kΩ (V-909RX ONLY)
R343~R345	5181506000	10kΩ (V-909RX ONLY)
R346, R446	5181482000	1kΩ (V-909RX, V-707RX)
R347, R447	5181506000	10kΩ (V-909RX, V-707RX)
R348	5181506000	10kΩ (V-909RX, V-707RX)
R349	5181530000	100kΩ
R350	5181474000	470Ω
R351	5181450000	47Ω
R352	5181474000	470Ω
R353	5181530000	100kΩ
R354	5181450000	47Ω
R355	5181496000	3.9kΩ
R356	5181494000	3.3kΩ
R357~R359	5181506000	10kΩ
R360	5181494000	3.3kΩ
R361	5181506000	10kΩ
R362	5181458000	100Ω
R363	5181506000	10kΩ
R364	5181494000	3.3kΩ
R365	5181506000	10kΩ
R366	5181458000	100Ω
R367, R467	5181498000	4.7kΩ (V-707RX ONLY)
R370	5181506000	10kΩ (V-707R ONLY)
R560	5181496000	3.9kΩ (V-909RX, V-707R)
R561, R661	5181542000	330kΩ (V-909RX, V-707R)
R562, R662	5181544000	390kΩ (V-909RX, V-707R)
R563, R663	5181544000	390kΩ (V-909RX, V-707R)
R564, R664	5181542000	330kΩ (V-909RX, V-707R)
R565, R665	5181528000	82kΩ (V-909RX, V-707R)
R566, R666	5181527000	75kΩ (V-909RX, V-707R)
R567, R667	5181522000	47kΩ (V-909RX, V-707R)
R568, R668	5181508000	12kΩ (V-909RX, V-707R)
R569, R669	5181498000	4.7kΩ (V-909RX, V-707R)
R570	5181530000	100kΩ (V-909RX, V-707R)
R571, R671	5181490000	2.2kΩ (V-909RX, V-707R)
R572, R672	5181499000	5.1kΩ (V-909RX, V-707R)
R573, R673	5181526000	68kΩ (V-909RX, V-707R)
R574, R674	5181482000	1kΩ (V-909RX, V-707R)
R575, R675	5181482000	1kΩ (V-909RX, V-707R)
R576, R676	5181522000	47kΩ (V-909RX, V-707R)
R577, R677	5181506000	10kΩ (V-909RX, V-707R)
R578, R678	5181522000	47kΩ (V-909RX, V-707R)
R579, R679	5181502000	6.8kΩ (V-909RX, V-707R)
R580, R680	5181512000	18kΩ (V-909RX, V-707R)
R581, R681	5181494000	3.3kΩ (V-909RX, V-707R)
R582, R682	5181482000	1kΩ (V-909RX, V-707R)
R583, R683	5181500000	5.6kΩ (V-909RX, V-707R)
R584, R684	5181514000	22kΩ (V-909RX, V-707R)

CAPACITORS

C109, C209	5172224000	Ceramic	1000pF	50V	10%
C110, C210	5260165952	Elec.	100µF	10V	20%
C111, C211	5171856000	Mylar	0.01µF	100V	5%
C112, C113	5260166852	Elec.	220µF	10V	20%
C114, C214	5260065850	Elec.	2.2µF	50V	20%
C115, C215	5171866000	Mylar	0.027µF	100V	5%
C116, C216	5171219000	Polyst.	100pF	125V	10%
C117	5260162050	Elec.	4.7µF	35V	20%
C118, C218	5263107610	Polyst.	820pF	100V	5%
C119	5260160750	Elec.	1µF	50V	20%

REF. NO.	PARTS NO.	DESCRIPTION
C120, C220	5171856000	Mylar 0.01µF 100V 5%
C121, C221	5170364000	Mylar 3300pF 100V 5%
C122, C222	5171856000	Mylar 0.01µF 100V 5%
C123, C223	5171856000	Mylar 0.01µF 100V 5%
C124	5260166052	Elec. 100µF 16V 20%
C125, C225	5260066550	Elec. 4.7µF 35V 20%
C126	5260166052	Elec. 100µF 16V 20%
C127, C227	5172212000	Ceramic 100pF 50V 10%
C128, C228	5260162650	Elec. 10µF 25V 20%
C129, C229	5171876000	Mylar 0.068µF 100V 5%
C130, C230	5260065650	Elec. 1µF 50V 20%
C131, C132	5260162650	Elec. 10µF 25V 20%
C133, C233	5260162650	Elec. 10µF 25V 20%
C134~C137	5260162650	Elec. 10µF 25V 20% (V-909RX ONLY)
C138, C238	5172212000	Ceramic 100pF 50V 10%
C139, C239	5172212000	Ceramic 100pF 50V 10%
C140	5260166052	Elec. 100µF 16V 20% (V-909RX, V-707RX)
C141	5260162650	Elec. 10µF 25V 20% (V-909RX, V-707RX)
C142	5260163452	Elec. 22µF 25V 20% (V-909RX, V-707RX)
C143, C243	5260162650	Elec. 10µF 25V 20%
C301, C401	5171866000	Mylar 0.027µF 100V 5%
C303	5260160750	Elec. 1µF 50V 20%
C304	5260220750	Elec. 0.22µF 50V 20%
C305	5260165952	Elec. 100µF 10V 20%
C306, C307	5260163252	Elec. 22µF 10V 20%
C308, C309	5260162650	Elec. 10µF 25V 20%
C310, C311	5260165252	Elec. 47µF 25V 20%
C530, C630	5263162623	Metalized 0.22µF 50V 5% (V-909RX, V-707R)
C531, C631	5171868000	Mylar 0.033µF 100V 5% (V-909RX, V-707R)
C532, C632	5263162223	Metalized 0.1µF 50V 5% (V-909RX, V-707R)
C533, C633	5263162223	Metalized 0.1µF 50V 5% (V-909RX, V-707R)
C534, C634	5263162423	Metalized 0.15µF 50V 5% (V-909RX, V-707R)
C535, C635	5263162223	Metalized 0.1µF 50V 5% (V-909RX, V-707R)
C536, C636	5171868000	Mylar 0.033µF 100V 5% (V-909RX, V-707R)
C537, C637	5171872000	Mylar 0.047µF 100V 5% (V-909RX, V-707R)
C538, C638	5171876000	Mylar 0.068µF 100V 5% (V-909RX, V-707R)
C539, C639	5263162223	Metalized 0.1µF 50V 5% (V-909RX, V-707R)
C540, C640	5260162650	Elec. 10µF 25V 20% (V-909RX, V-707R)
C541, C641	5260162650	Elec. 10µF 25V 20% (V-909RX, V-707R)
C542, C642	5170368000	Mylar 0.047µF 100V 5% (V-909RX, V-707R)
C543, C643	5170368000	Mylar 0.047µF 100V 5% (V-909RX, V-707R)
C544, C644	5171868000	Mylar 0.033µF 100V 5% (V-909RX, V-707R)
C545	5260163452	Elec. 22µF 25V 20% (V-909RX, V-707R)
C546	5260161152	Elec. 2.2µF 50V 20% (V-909RX, V-707R)
C547, C647	5260162650	Elec. 10µF 25V 20% (V-909RX, V-707R)
C548, C648	5171856000	Mylar 0.1µF 100V 5% (V-909RX, V-707R)
C549, C649	5260160750	Elec. 1µF 50V 20% (V-909RX, V-707R)
C550, C650	5172218000	Ceramic 330pF 50V 10% (V-909RX, V-707R)
C551, C651	5260162650	Elec. 10µF 25V 20% (V-909RX, V-707R)
C552, C652	5260160750	Elec. 1µF 50V 20% (V-909RX, V-707R)
C553, C653	5263101510	Polyst. 2700pF 100V 5% (V-909RX, V-707R)
	VARIABLE RESISTORS	
R11, R21	5150233000	Semi-fixed 20kΩ(B)
R12, R22	5150233000	Semi-fixed 20kΩ(B)
R13, R23	5150094000	Semi-fixed 50kΩ(B)
R14, R24	5150096000	Semi-fixed 100kΩ(B)
R15, R25	5150096000	Semi-fixed 100kΩ(B)
R16, R17	5150094000	Semi-fixed 50kΩ(B)
R18, R28	5150233000	Semi-fixed 20kΩ(B)
R19, R29	5150233000	Semi-fixed 20kΩ(B)
	CONNECTOR PLUGS	
P1	5336126000	6P (WHT)
P2	5336135600	6P (RED)
P3	5336126300	3P (WHT)
P4	5336135300	3P (RED)
P5	5336126400	4P (WHT)
P6	5336126500	5P (WHT)
P7	5336126900	9P (WHT) (V-909RX ONLY)
	5336145500	5P (YEL) (V-707RX, V-707R)
P9	5336137300	3P (BLK)
P16	5336126300	3P (WHT)
P17	5336137400	4P (BLK) (V-909RX, V-707R)
	MISCELLANEOUS	
U106, U206	5286013900	Coil, Trap 85kHz
U107	5292202500	OSC Unit, BIAS
U507, U607	5292803500	Filter, Low-pass
U508, U608	5292803600	Filter, Low-pass
L101, L102	5160151000	Coil, Choke 1.2mH 5%
L103, L203	5286014000	Coil, Choke 8mH
S101	5302102100	Switch, Remote

MIC PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION			
	5200114400	PCB Assy [All except U, C]			
	5200114410	PCB Assy [U, C]			
	5210114400	PCB [All except U, C]			
	5210114410	PCB [U, C]			
	IC's				
U101	5220412500	NJM4562DD			
U102	5220416200	M5218L			
	CARBON RESISTORS **All resistors are rated ±5% tolerance and ¼W.**				
R101, R201	5181506000	10kΩ			
R102, R202	5181530000	100kΩ			
R103, R203	5181458000	100Ω			
R104, R204	5181458000	100Ω			
R105, R205	5181482000	1kΩ			
R106, R206	5181508000	12kΩ			
R107	5181482000	1kΩ			
R108, R208	5181530000	100kΩ			
R109, R209	5181506000	10kΩ			
R110, R210	5181482000	1kΩ			
R111	5181482000	1kΩ			
R112, R212	5181514000	22kΩ			
R113, R213	5181458000	100Ω			
	CAPACITORS				
C101, C201	5172212000	Ceramic	100pF	50V	10%
C102, C202	5172212000	Ceramic	100pF	50V	10%
C103, C203	5260066550	Elec.	4.7μF	35V	20%
C104, C105	5260165252	Elec.	47μF	25V	20%
C106, C206	5260160750	Elec.	1μF	50V	20%
C107, C108	5260160750	Elec.	1μF	50V	20%
C109, C209	5260160750	Elec.	1μF	50V	20%
	MISCELLANEOUS				
P8	5336128300	Connector Plug 3P			
	5330009100	Jack, MIC			
	5330009000	Jack, PHONES			

POWER SUPPLY PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION			
	5200116300	PCB Assy [J, GE, A, L]			
	5200116310	PCB Assy [U, C]			
	5200116320	PCB Assy [E, UK]			
	5210116300	PCB [All except U, C]			
	5210116400	PCB [U, C]			
	IC's				
U701	5220416400	M5230L			
U702	⚠5220419100	LM78N12			
U703	⚠5220419000	LM78N08			
U704	⚠5220418900	LM78N05			
	TRANSISTORS				
Q701	⚠5145087000	2SD313E			
Q702	⚠5145129000	2SB507E			
Q703	5145087000	2SD313E			
Q704	5230778300	2SC2320F			
	DIODES				
D701, D702	⚠5228005000	W02			
D703∼D707	5224014400	SM-1A-02LFA			
	CARBON RESISTORS **All resistors are rated ±5% tolerance and ¼W** **unless otherwise noted.**				
R701, R702	5181470000	330Ω			
R703	5181510000	15kΩ			
R704	5181494000	3.3kΩ			
R705, R706	5181510000	15kΩ			
R707	5180078000	680Ω	½W		
R708	5181450000	47Ω			
R709, R710	5181506000	10kΩ			
	CAPACITORS				
C701, C702	⚠5173082000	Elec.	1000μF	25V	(SM)
C703, C704	5260165252	Elec.	47μF	25V	20%
C705, C706	5260162050	Elec.	4.7μF	35V	20%
C707∼C709	5260162650	Elec.	10μF	25V	20%
C710	⚠5173089000	Elec.	2200μF	25V	(SM)
C711, C712	5260165252	Elec.	47μF	25V	20%
C713	⚠5262002102	Elec.	4700μF	25V	
C714	5260160750	Elec.	1μF	50V	20%
C715	⚠5262002102	Elec.	4700μF	25V	
C716	5260165252	Elec.	47μF	25V	20%
C717	⚠5263164500	Metalized	0.047μF	250V	10% [E]
	MISCELLANEOUS				
R71	5053348000	Variable Resistor 10kΩ(B)			
F1, F2	⚠5041138000	Fuse, Mini 500MA 250V [E, UK]			
F3	⚠5142189000	Fuse, Mini 2A 250V [E, UK]			
	5142087000	Holder, Fuse [E, UK]			
	5800460500	Bracket, POWER PCB			
	5317000300	Plate, Insulating; A S-17			
	5033291000	Plate, Insulating; 1S-313D			
	5033295000	Tube, Insulating; P			

[U] : U.S.A. [C] : CANADA [GE] : GENERAL EXPORT [A] : AUSTRALIA
[E] : EUROPE [UK] : U.K. [L] : LIMITED AREA [J] :JAPAN

CONTROL PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	5200116701	PCB Assy [All except U, C; V-909RX]
	5200116711	PCB Assy [U, C; V-909RX]
	5200116721	PCB Assy [All except U, C; V-707RX]
		PCB Assy [J, E; V-707R]
	5200116731	PCB Assy [U, C; V-707RX]
	5210116701	PCB [All except U, C]
	5210117001	PCB [U, C]
	IC's	
U801	5220804400	LM6402-166
U802	5220804500	LM6402-167
U803	5220019700	LC7800
U804	5220020500	LB1475
U805, U806	5760216300	BA6208
U807	5220419200	LM358
U808	5220019400	TC4069UBP
U809	5220019100	TC4011BP
U810	5293000900	TD62504P
U811	5220021700	TC5066BP
U812	5242112100	10k x 12 Resistor Aray
U813	5242111300	10k x 4 Resistor Aray
U814, U815	5242111800	10k x 9 Resistor Aray
U816	5242111200	10k x 3 Resistor Aray
U817	5232251200	DTC-124N Dedi. Transistor
U901~U904	5220019100	TC4011BP (V-909RX ONLY)
U905	5220019200	TC4013BP (V-909RX ONLY)
U906	5220019000	TC4001BP (V-909RX ONLY)
U907	5220013400	TC4066BP (V-909RX ONLY)
U908	5220019100	TC4011BP (V-909RX ONLY)
U909	5220405300	LM324N (V-909RX ONLY)
U910	5293000900	TD62504P (V-909RX ONLY)
U911	5220019100	TC4011BP (V-909RX ONLY)
U912	5242111400	10k x 5 (V-909RX ONLY)
	TRANSISTORS	
Q801	5231758900	2SD400E
Q802~Q804	5145151000	2SC1815GR
Q805	5145150000	2SA1015GR
Q806~Q810	5230016100	2SA950Y
Q811	5145151000	2SC1815GR
	DIODES	
D801	5224014500	1SR35200HJ
D802	5224524903	HZ7B2L, Zener
D803	5224539901	RD4.7EB1, Zener
D806, D807	5143118000	1S2473HJ
D808	5224014500	1SR35200HJ
D809	5224539701	RD4.3EB2, Zener
D901~D903	5143118000	1S2473HJ (V-909RX ONLY)

REF. NO.	PARTS NO.	DESCRIPTION	
	RESISTORS **All resistors are rated ±5% tolerance, ¼W and are carbon type unless otheriwise noted.**		
R801	5181460000	120Ω	
R802	5181498000	4.7kΩ	
R803	5181554000	1MΩ	
R804~R806	5181506000	10kΩ	
R807	5181514000	22kΩ	
R808, R809	5181506000	10kΩ	
R810	5181522000	47kΩ	
R811~R815	5181490000	2.2kΩ	
R816~R823	5181464000	180Ω	
R824	5181498000	4.7kΩ	
R825, R826	5181470000	330Ω	
R827~R829	5181474000	470Ω	
R830~R832	5181482000	1kΩ	
R833	5181518000	33kΩ	
R834	5181510000	15kΩ	
R835	5181490000	2.2kΩ	
R836	5181554000	1MΩ	
R837, R838	5181534000	150kΩ	
R839	5181522000	47kΩ	
R840	5181502000	6.8kΩ	
R841	5181522000	47kΩ	
R842	5181530000	100kΩ	
R843	5181482000	1kΩ	
R844	5181532000	120kΩ	
R845	5181482000	1kΩ	
R846	5181546000	470kΩ	
R847	5181506000	10kΩ	
R848	5181530000	100kΩ	
R849	5181522000	47kΩ	
R850	5184229000	15Ω	Nonflammable
R851, R852	5181506000	10kΩ	
R853	5241149800	4.7kΩ	Metal Film
R854, R855	5181506000	10kΩ	
R856	5181514000	22kΩ	
R901	5181524000	56kΩ	(V-909RX ONLY)
R902	5181538000	220kΩ	(V-909RX ONLY)
R903	5181482000	1kΩ	(V-909RX ONLY)
R904	5181514000	22kΩ	(V-909RX ONLY)
R905	5181482000	1kΩ	(V-909RX ONLY)
R906	5181514000	22kΩ	(V-909RX ONLY)
R907	5181482000	1kΩ	(V-909RX ONLY)
R908	5181514000	22kΩ	(V-909RX ONLY)
R909	5181482000	1kΩ	(V-909RX ONLY)
R910, R911	5181474000	470Ω	(V-909RX ONLY)
R912	5181504000	8.2kΩ	(V-909RX ONLY)
R913, R914	5181506000	10kΩ	(V-909RX ONLY)
R915	5181504000	8.2kΩ	(V-909RX ONLY)
R916	5181490000	2.2kΩ	(V-909RX ONLY)
R917	5181514000	22kΩ	(V-909RX ONLY)
R918	5181482000	1kΩ	(V-909RX ONLY)
R919, R920	5181514000	22kΩ	(V-909RX ONLY)
R921	5181522000	47kΩ	(V-909RX ONLY)
R922	5181500000	5.6kΩ	(V-909RX ONLY)
R923	5181530000	100kΩ	(V-909RX ONLY)
R924	5181510000	15kΩ	(V-909RX ONLY)
R925	5181522000	47kΩ	(V-909RX ONLY)
R926	5181530000	100kΩ	(V-909RX ONLY)

REF. NO.	PARTS NO.	DESCRIPTION
	CAPACITORS	
C801	5260165252	Elec. 47μF 25V 20%
C802~C804	5173435000	Ceramic 0.047μF 50V
C805, C806	5054342000	Polyst. 220pF 50V 10%
C807	5260162550	Elec. 10μF 16V 20%
C808, C809	5260162050	Elec. 4.7μF 35V 20%
C810	5260160750	Elec. 1μF 50V 20%
C811	5260165252	Elec. 47μF 25V 20%
C901	5170368800	Mylar 4700pF 100V 5% (V-909RX ONLY)
C902, C903	5260160750	Elec. 1μF 50V 20% (V-909RX ONLY)
C905	5260253650	Elec. 4.7μF 25V 20% (V-909RX ONLY)
	VARIABLE RESISTORS	
R80	5280003502	Semi-fixed 10kΩ(B)
R81	5280004302	Semi-fixed 200kΩ(B)
	CONNECTOR PLUGS	
P801	5336126300	3P (WHT)
P802	5336138200	12P (BLK)
P803	5336127200	12P (WHT)
P804	5336145300	3P (YEL)
P805	5336135500	5P (RED) (V-909RX ONLY)
	5336135400	4P (RED) (V-707RX, V-707R)
P806	5336135300	3P (RED)
P807	5336145800	8P (YEL)
P808	5336145500	5P (YEL) (V-909RX ONLY)
	5336145400	4P (YEL) (V-707RX, V-707R)
P809	5336126700	7P (WHT)
P810	5336126500	5P (WHT) (V-909RX ONLY)
	5336126300	3P (WHT) (V-707RX, V-707R)
P811	5336137500	5P (BLK)
P813	5336151300	W-P9003 (V-909RX ONLY)
	5336137300	3P (BLK) (V-707RX, V-707R)
P814	5336151500	W-P9005
P815	5336151400	W-P9004
P901	5336151200	W-P9002 (V-909RX ONLY)
P902	5336126200	2P (WHT) (V-909RX ONLY)
P903	5336137200	2P (BLK) (V-909RX ONLY)
	MISCELLANEOUS	
D804, D805	5225005400	LED, SLP-135B (RED)
CR80	5347000900	Posting, Seramic KBR-800H
CR90	5347001500	Buzzer, Voltage KBS-20DB-3P (V-909RX ONLY)
L801	5286002100	Coil, Choke 1.5mH
P816	5336104200	Connector Socket HWP2P-18

DBX PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	5200116000	PCB Assy [V-909RX, V-707RX]
	5210116001	PCB
	IC's	
U501, U601	5220414501	μPC1252H-2
U502	5220418800	M5218P
U503, U603	5220414601	μPC1253H-2
	TRANSISTORS	
Q501, Q601	5230778300	2SC2320F
Q502, Q602	5232007300	FET, 2SK-364V
Q503, Q603	5230775000	2SC2878B
Q504, Q604	5230775000	2SC2878B
Q505, Q605	5230775000	2SC2878B
Q506, Q606	5230775000	2SC2878B
Q507, Q607	5230775000	2SC2878B
Q508, Q608	5230775000	2SC2878B
Q509, Q609	5230778300	2SC2320F
Q510, Q610	5230775000	2SC2878B
Q511, Q611	5230775000	2SC2878B
Q512, Q513	5230016600	2SA999F
Q514~Q516	5230778300	2SC2320F
	DIODES	
D501, D601	5224015010	1SS133HV
D502, D503	5224015010	1SS133HV
	CARBON RESISTORS **All resistors are rated ±5% tolerance and 1/6W unless otherwise noted.**	
R501, R601	5240033220	120kΩ
R502, R602	5240025820	100Ω
R503, R603	5240031720	30kΩ
R504, R604	5240030020	5.6kΩ
R505, R605	5240031820	33kΩ
R506, R606	5240030620	10kΩ
R507, R607	5240032220	47kΩ
R508, R608	5240032220	47kΩ
R509, R608	5240029620	3.9kΩ
R510, R610	5240032220	47kΩ
R511, R611	5240032220	47kΩ
R512, R612	5240025020	47Ω
R513, R613	5240033020	100kΩ
R514, R614	5240030620	10kΩ
R515, R615	5240031820	33kΩ
R516, R616	5240032220	47kΩ
R517, R617	5240032220	47kΩ
R518, R618	5240025820	100Ω
R519, R619	5240033020	100kΩ
R520, R620	5240031820	33kΩ
R521, R621	5240032920	91kΩ
R522, R622	5240029820	4.7kΩ
R523, R623	5240031820	33kΩ
R524, R624	5240030220	6.8kΩ
R525, R625	5240029820	4.7kΩ
R526, R626	5240029420	3.3kΩ
R527, R627	5240031820	33kΩ
R528, R628	5240024220	22Ω
R529, R629	5240033620	180kΩ
R530, R630	5240023420	10Ω

REF. NO.	PARTS NO.	DESCRIPTION				
R531, R631	5240035120	750kΩ				
R532, R632	5240035420	1MΩ				
R533, R633	5240028220	1kΩ				
R534, R634	5240033020	100kΩ				
R535, R635	5240033020	100kΩ				
R536	5240029820	4.7kΩ				
R537	5240033020	100kΩ				
R538	5240029820	4.7kΩ				
R539~R544	5240030620	10kΩ				
R545	5240025020	47Ω				
R546	5240033220	120kΩ				
R547	5240031820	33kΩ				
R548~R550	5240030620	10kΩ				
R551, R651	5240030620	10kΩ				
R552, R652	5240177800	10MΩ	¼W	5%		
R553, R653	5240177800	10MΩ	¼W	5%		
R554, R654	5240032020	39kΩ				
R555, R655	5240031420	22kΩ				
	CAPACITORS					
C501, C601	5263162223	Metalized	0.1μF	50V	5%	
C502, C602	5263162223	Metalized	0.1μF	50V	5%	
C503, C603	5260160750	Elec.	1μF	50V	20%	
C504, C604	5171856000	Mylar	0.01μF	100V	5%	
C505, C605	5263163523	Metalized	0.3μF	50V	5%	
C506, C606	5263106110	Polyst.	200pF	100V	5%	
C507, C607	5172212000	Ceramic	100pF	50V	10%	
C508, C608	5172212000	Ceramic	100pF	50V	10%	
C509, C609	5171856000	Mylar	0.01μF	100V	5%	
C510, C610	5260066550	Elec.	4.7μF	35V	20%	
C511, C611	5263162223	Metalized	0.1μF	50V	5%	
C512, C612	5263162223	Metalized	0.1μF	50V	5%	
C513, C613	5170364000	Mylar	3300pF	100V	5%	
C514, C614	5170364000	Mylar	3300pF	100V	5%	
C515, C615	5172218000	Ceramic	330pF	50V	10%	
C516, C616	5263162223	Metalized	0.1μF	50V	5%	
C517, C617	5171856000	Mylar	0.01μF	100V	5%	
C518, C618	5260160750	Elec.	1μF	50V	20%	
C519, C619	5260227010	Elec.	10μF	35V	10%	
C520, C620	5260162550	Elec.	10μF	16V	20%	
C521	5260163252	Elec.	22μF	10V	20%	
C522, C523	5260165252	Elec.	47μF	25V	20%	
	MISCELLANEOUS					
P10	5336126600	Connector Plug 6P				
P11	5336126500	Connector Plug 5P				
R51, R61	5280004002	Variable Resistor	50kΩ(B)			
R52, R62	5150286000	Variable Resistor	500kΩ(B)			
R53, R63	5280004002	Variable Resistor	50kΩ(B)			

DOLBY B PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION			
	5200116101	PCB Assy [V-707RX]			
	5210116101	PCB			
	IC's				
U301, U401	5220412600	TA7629P			
U303	5220021600	M4066BP			
	TRANSISTORS				
Q320	5230016600	2SA999F			
Q321, Q421	5230778300	2SC2320F			
	CARBON RESISTORS **All resistors are rated ±5% tolerance and ¼W.**				
R370	5181530000	100kΩ			
R371	5181498000	4.7kΩ			
R372, R472	5181530000	100kΩ			
R373, R473	5181506000	10kΩ			
R374, R474	5181530000	100kΩ			
R375, R475	5181464000	180Ω			
R376, R476	5181518000	33kΩ			
R377, R477	5181518000	33kΩ			
R378, R478	5181494000	3.3kΩ			
R379, R479	5181522000	47kΩ			
R380, R480	5181534000	150kΩ			
R381	5181522000	47kΩ			
R382, R482	5181540000	270kΩ			
	CAPACITORS				
C320, C420	5260221150	Elec.	1μF	50V	20%
C321, C421	5170362000	Mylar	2700μF	100V	5%
C322, C422	5260162650	Elec.	10μF	25V	20%
C323, C423	5260162650	Elec.	10μF	25V	20%
C324, C424	5170370000	Mylar	5600pF	100V	5%
C325, C425	5260162650	Elec.	10μF	25V	20%
C326, C426	5170368000	Mylar	4700pF	100V	5%
C327, C427	5171866000	Mylar	0.027μF	100V	5%
C328, C428	5260162650	Elec.	10μF	25V	20%
C329, C429	5171872000	Mylar	0.047μF	100V	5%
C330, C430	5263162223	Metalized	0.1μF	50V	5%
C331, C431	5260220850	Elec.	0.33μF	50V	20%
C332	5260162650	Elec.	10μF	25V	20%
	MISCELLANEOUS				
U302, U402	5292803500	Filter, Low-pass; 19kHz			
P301	5336126400	Connector Plug 4P (WHT)			
P302	5336126200	Connector Plug 2P (WHT)			

VCA PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	5200115800	PCB Assy [V-909RX BL, V-909RX]
	5210115800	PCB
	IC's	
U301	5220418800	M5218P
U302	5220418400	HA12022
	CARBON RESISTORS **All resistors are rated ±5% tolerance and ¼W.**	
R370, R470	5181482000	1kΩ
R371, R471	5181504000	8.2kΩ
R372, R472	5181530000	100kΩ
R373	5181466000	220Ω
R374, R474	5181530000	100kΩ
R375	5181466000	220Ω
R376, R476	5181474000	470Ω
R377, R477	5181542000	330kΩ
R378, R478	5181542000	330kΩ
R379	5181529000	91kΩ
R380	5181498000	4.7kΩ
R381	5181478000	680Ω
R382, R482	5181542000	330kΩ
R383, R483	5181532000	120kΩ
R384, R484	5181506000	10kΩ
	CAPACITORS	
C320, C420	5260066550	Elec. 4.7μF 35V 20%
C321, C421	5172200000	Ceramic 10pF 50V
C322	5260162650	Elec. 10μF 25V 20%
C323, C423	5260066550	Elec. 4.7μF 35V 20%
C324	5260162650	Elec. 10μF 25V 20%
C325, C425	5260066550	Elec. 4.7μF 35V 20%
C326	5171856000	Mylar 0.01μF 100V 5%
C327	5173072000	Elec. 470μF 16V (SM)
C338	5171856000	Mylar 0.01μF 100V 5%
C329	5173072000	Elec. 470μF 16V (SM)
C330, C430	5172200000	Ceramic 10pF 50V
C331, C431	5173407000	Ceramic 15pF 50V 10%
C332, C432	5260162050	Elec. 4.7μF 35V 20%
C333	5260160750	Elec. 1μF 50V 20%
	MISCELLANEOUS	
P13	5336126400	Connector Plug 4P
P14	5336126600	Connector Plug 6P

SWITCH PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	5200113500	PCB Assy [All except U, C; V-909RX]
	5200113510	PCB Assy [U, C; V-909RX]
	5200113520	PCB Assy [All except U, C; V-707RX] PCB Assy [J, E; V-707R]
	5200113530	PCB Assy [U, C; V-707RX]
	5210113500	PCB [All except U, C]
	5210114700	PCB [U, C]
S102	5300909600	Switch, Slide; 2-3
S801, S802	5302101600	Switch, Tact; J-M0452 L1
S803	5300909600	Switch, Slide; 2-3
S901, S902	5302101600	Switch, Tact; J-M0452 L1
D102, D103	5143118000	Diode, 1S2473HJ
D807	5143118000	Diode, 1S2473HJ
P820	5336128300	Connector Plug, 3P(WHT)

VR PCB ASSY A

REF. NO.	PARTS NO.	DESCRIPTION
	5200114100	PCB Assy [All except U, C]
	5200114110	PCB Assy [U, C]
	5210114100	PCB [All except U, C]
	5210115300	PCB [U, C]
	5284006500	Variable Resistor, Slide 100kΩ(A) x 2

VR PCB ASSY B

REF. NO.	PARTS NO.	DESCRIPTION
	5200114200	PCB Assy [All except U, C]
	5200114210	PCB Assy [U, C]
	5210114200	PCB [All except U, C]
	5210115400	PCB [U, C]
	5282409002	Variable Resistor 20kΩ(A) x 2

[U] : U.S.A. [C] : CANADA [GE] : GENERAL EXPORT [A] : AUSTRALIA
[E] : EUROPE [UK] : U.K. [L] : LIMITED AREA [J] :JAPAN

VR PCB ASSY C

REF. NO.	PARTS NO.	DESCRIPTION
	5200118300	PCB Assy [All except U, C; V-909RX]
	5200118310	PCB Assy [U, C; V-909RX]
	5210118300	PCB [All except U, C; V-909RX]
	5210118400	PCB [U, C; V-909RX]
R90	5284007300	Variable Resistor, Slide 50kΩ(A)

TIMER PCB ASSY

REF. NO.	PARTS NO.	DISCRIPTION
	5200116601	PCB Assy [All except U, C]
	5200116611	PCB Assy [U, C]
	5210116601	PCB [All except U, C]
	5210116901	PCB [U, C]
	5300909600	Switch, Slide; 2-3

LED PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	5200114300	PCB Assy [All except U, C; V-909RX]
	5200114310	PCB Assy [U, C; V-909RX]
	5200114320	PCB Assy [All except U, C; V-707RX]
	5200114330	PCB Assy [U, C; V-707RX]
	5200114340	PCB Assy [J, E; V-707R]
	5210114300	PCB [All except U, C]
	5210115500	PCB [U, C]
	LED's	
D311~D313	5225011900	LT9230N
D314	5225012100	SLP2730N [V-909RX ONLY]
D811	5225012300	SL-2405-05C, Indicator
D812~D814	5225012000	LT9230H
D911	5225012200	SLP173B01 [V-909RX ONLY]
	DIODES	
D315, D316	5143118000	1S2473HJ [V-909RX ONLY]
	CARBON RESISTORS	
R367	5181480000	820Ω ¼W, 5% [V-909RX]
R368	5181468000	270Ω ¼W, 5%
R370	5181476000	560Ω ¼W, 5%
	MISCELLANEOUS	
	5800457300	Spacer, Counter
	5800482500	Spacer, LED [V-909RX ONLY]

SW PCB 1 ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	5200113600	PCB Assy [All except U, C; V-909RX]
	5200113610	PCB Assy [U, C]
	5210113600	PCB [All except U, C]
	5210114800	PCB [U, C]
S104	5300032200	Switch, Push; 4-gamg
D904	5143118000	Diode 1S2473HJ
P904	5336126300	Connector Plug 3P

SW PCB 2 ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	5200113700	PCB Assy [All except U, C; V-909RX]
	5200113710	PCB Assy [U, C]
	5210113700	PCB [All except U, C]
	5210114900	PCB [U, C]
S103	5300032300	Switch, Push; 4-gang
P18	5336128400	Connector Plug 4P
P19	5336128500	Connector Plug 5P

SW PCB 3 ASSY

REF. NO.	PARTS NO.	DESCTIPTION
	5200113800	PCB Assy [All except U, C; V-707RX]
	5200113810	PCB Assy [U, C]
	5210113800	PCB [All except U, C]
	5210115000	PCB [U, C]
S103	5300032300	Switch, push; 4-gang
P18	5336128400	Connector Plug 4P (WHT)
C1	5054204000	Ceramic Cap 0.01μF 50V 10%

[U] : U.S.A. [C] : CANADA [GE] : GENERAL EXPORT [A] : AUSTRALIA
[E] : EUROPE [UK] : U.K. [L] : LIMITED AREA [J] :JAPAN

SW PCB 4 ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	5200113900	PCB Assy (V-707R)
	5210113900	PCB
S103	5300032400	Switch, Push; 4-gang
P18	5336128400	Connector Plug 4P (WHT)
C1	5054204000	Ceramic Cap. 0.01μF 50V 10%

POWER SW PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	5200116200	PCB Assy [J]
	5200116210	PCB Assy [U]
	5200116220	PCB Assy [C]
	5200116230	PCB Assy [GE, L]
	5200116240	PCB Assy [E, UK]
	5200116250	PCB Assy [A]
	5210073201	PCB
S1	5300031900	Switch, Push; SPLC1P
Z1	5052905000	Spark killer 0.1μF+120/300V[J]
	5052910000	Spark killer 0.033μF+120/125V[U]
	5292002600	Spark killer 0.033μF+120/125V[C]
	5292002500	Spark killer 0.01μF+300/300V [GE, L]
	5267702500	Spark killer 4700pF+250V 20% [E, U, K, A]

JACK PCB ASSY

REF. NO.	PARTS NO.	DESCRIPTION
	5200114000	PCB Assy [All except U, C]
	5200114010	PCB Assy [U, C]
	5210114000	PCB [All except U, C]
	5210115200	PCB [U, C]
	CARBON RESISTORS	
R114, R214	5181534000	150kΩ ¼W 5%
R115, R215	5181520000	39kΩ ¼W 5%
	MISCELLANEOUS	
	5330508000	Jack, Pin 4P

[U] : U.S.A. [C] : CANADA [GE] : GENERAL EXPORT [A] : AUSTRALIA
[E] : EUROPE [UK] : U.K. [L] : LIMITED AREA [J] :JAPAN

INPUT SIGNALS AND OUTPUT SIGNAL LEVELS

U802 Output pin no. (Signal name)	REEL MOTOR			27 (LINE MUTE $\overline{\text{OFF}}$)	26 (REC MUTE $\overline{\text{OFF}}$)	28 (AMP PLAY/$\overline{\text{REC}}$)	11 (HEAD FWD/$\overline{\text{REV}}$)	OSC	
Switch input	9(FWD)	8(REV)	10(SLOW/$\overline{\text{FAST}}$)					4(FWD)	5(REV)
STOP	L	L	H	H	H	H	X	L	L
▷	H	L	H	L	H	H	H	L	L
◁	L	H	H	L	H	H	L	L	L
▷ +PAUSE	L	L	H	H	H	H	H	L	L
◁ +PAUSE	L	L	H	H	H	H	L	L	L
▷▷	H	L	L	H	H	H	X	L	L
◁◁	L	H	L	H	H	H	X	L	L
REC/STOP	L	L	H	L	H	L	X	L	L
▷ +REC	H	L	H	L	L	L	H	H	L
◁ +REC	L	H	H	L	L	L	L	L	H
▷ +REC +MUTE	H	L	H	L	H	L	H	H	L
◁ +REC +MUTE	L	H	H	L	H	L	L	L	H
▷ +REC +PAUSE	L	L	H	L	H	L	H	H	L
◁ +REC +PAUSE	L	L	H	L	H	L	L	L	H
▷ + ▷▷ CPS	H	L	L	H	H	H	H	L	L
◁ + ▷▷ CPS	H	L	L	H	H	H	L	L	L
▷ + ◁◁ CPS	L	H	L	H	H	H	H	L	L
◁ + ◁◁ CPS	L	H	L	H	H	H	L	L	L

X: Irrelevant

V-909RX/V-707RX/V-707R

TEAC®

ティアック株式会社 本社 営業部 180・東京都武蔵野市中町3－7－3 電話 武蔵野 (0422) 53-1111代

製品についてのお問合わせ サービスに関するお問合わせ	札幌営業所	064・札幌市中央区南7条西2－2	くぼたビル	電話 札幌 (011)521-4101代
	仙台営業所	980・仙台市1番町2－5－5	中央ビル	電話 仙台 (0222) 27-1501代
	大宮営業所	330・大宮市桜木町4－2	ローズベイ大宮ビル	電話 大宮 (0486) 42-4551代
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	千代田営業所	100・東京都千代田区永田町2－10－7	星ガ岡会館	電話 東京 (03)592-1836代
	千葉出張所	280・千葉市松波1－11－3	石橋松波ビル	電話 千葉 (0472) 55-1281代
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	横浜営業所	221・横浜市神奈川区沢渡1－1	高島台第一ビル	電話 横浜 (045)312-3270代
	名古屋営業所	464・名古屋市千種区東山通り3－2－3		電話 名古屋 (052)782-4581代
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	大阪営業所	564・大阪府吹田市垂水町3－34－10		電話 大阪 (06)384-5201代
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	神戸出張所	650・神戸市中央区山本通り3－1－3	谷ロマンション内	電話 神戸 (078)242-2458代
	岡山出張所	700・岡山市十日市中町1番40号		電話 岡山 (0862) 25-8601代
	広島営業所	733・広島市中区中島町10－24		電話 広島 (082)243-3581代
	福岡営業所	812・福岡市博多区博多駅東2－17－5	モリメンビル	電話 福岡 (092)431-5781代
サービスに関するお問合わせ	本社サービス1課	180・東京都武蔵野市中町3－7－3		電話 武蔵野 (0422) 53-3242代
	沖縄サービスセンター	901-22・沖縄県宜野湾市字喜友名229		電話 沖縄 (09889) 2-2020代
技術的なお問合わせ	テープデッキ相談室	180・東京都武蔵野市中町3－7－3		電話 武蔵野 (0422) 53-9213代

TEAC CORPORATION 3-7-3 NAKA-CHO MUSASHINO TOKYO PHONE (0422) 53-1111

TEAC CORPORATION OF AMERICA 7733 TELEGRAPH ROAD MONTEBELLO CALIFORNIA 90640 PHONE (213) 726-0303

TEAC AUSTRALIA PTY., LTD. 115 WHITEMAN STREET SOUTH MELBOURNE VICTORIA 3205 PHONE 699-6000

PRINTED IN JAPAN 0583 AO・2.0 D-4396A

Important Information for Service Stations and Customers

TEAC TECHNICAL INFORMATION

V-95RX/V-90R/V-707RX/V-707R/V-909RX, Idler Assy

NO. 8309
DATE 19 April 1983

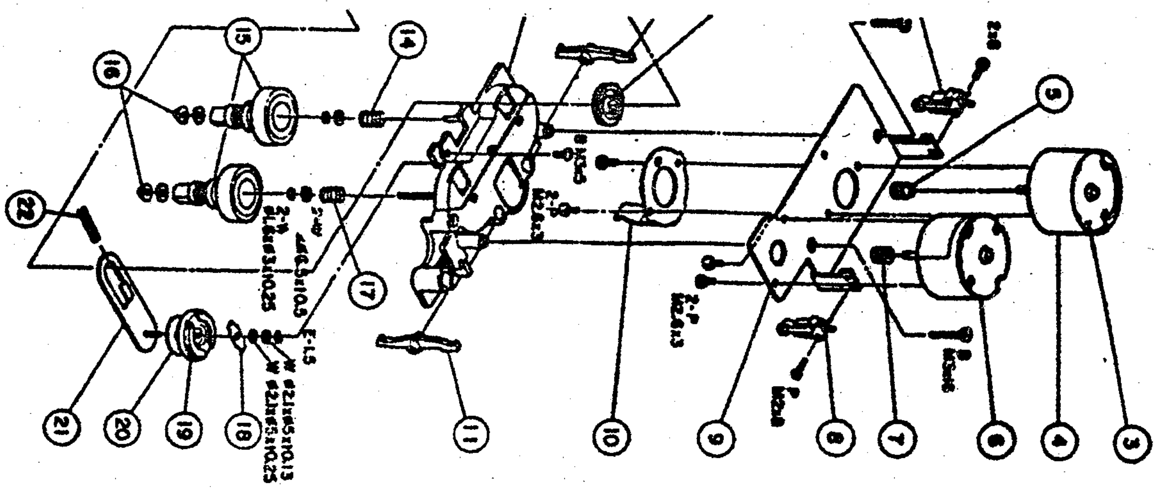
Drawing hereunder is a partial copy of the Service Manual on the captioned models. These components ⑱ ⑲ and ㉑ make the Idler Block Assy. The Spring ⑱ acts to produce a friction between ⑲ and ㉑ through ⑳. And this friction torque initiates the change of tape travel direction. The Spring ㉒ pushes Idler ⑲ against Reel Motor Pulley ⑤ and one of left or right Reel Table ⑮. Thus, the friction between ⑤ ⑲ and ⑮ transfers the revolution of Reel Motor to Reel Table.

In order to increase these two kinds of friction, the make of Springs ⑱ and ㉒ has been changed. In relation to this change, the part number of Idler Block Assy has also been changed.
In such cases the tape will not change its direction at the end, or the tape will not run fast, replacement of Spring ㉒ and Idler Block Assy with new type is suggested. The change takes place on the products serial numbered as follows.

V-95RX	:	440001 and after	V-707RX	:	60001 and after
V-90R	:	190001 and after	V-707R	:	30001 and after
V-909RX	:	90001 and after			

The part number of former and new Spring / Idler Block Assy are :

	Former	New
Idler Block Assy	58003645-00	58005154-00
Spring ㉒	57602114-00	57602114-01



Important Information for Service Stations and Customers

Page 1 of 1

TEAC TECHNICAL INFORMATION

V-707/V-909 Series, Forward-Reverse Switch

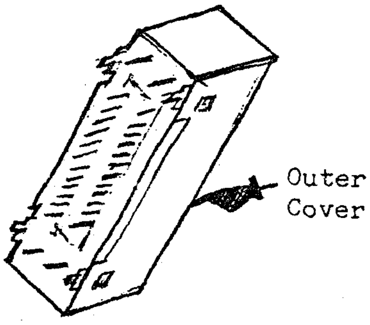
NO. 8505

DATE 11 March 1985

In order to improve reliability of forward and reverse switching, the make of Switch Remote mounted on the Rec/Play Ampl PCB Assy as S101 has been change. This switch functions to direct the audio signals to forward and reverse route on the Rec/Play Amplifier corresponding to its operation mode. When such false routing of signals as cross talk or accidental erasure are experienced, replacement of this switch is suggested.

Former switch has a tin plated cover.
New switch appears in two different finishes of which one to have a brass cover and the another one to have this brass cover protected with thin solder layer.
Still, the new switches of these two types have same improved characteristics electrically and mechanically.
Details of these former and new are :

Former	New
53021021-00	57729131-00
Switch, Remote	Switch, Remote
FOB @¥540.-	



Former

Glossy Tin Plate

New

1. Made of Brass
2. The Brass protected with Mat Solder Layer

TEAC CORPORATION

Important Information for Service Stations and Customers

Page 1 of 1

TEAC TECHNICAL INFORMATION

V-707/V-909 Series, Forward-Reverse Switch

NO. 8505
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This switch functions to direct the audio signals to forward and reverse route on the Rec/Play Amplifier corresponding to its operation mode. When such false routing of signals as cross talk or accidental erasure are experienced, replacement of this switch is suggested.

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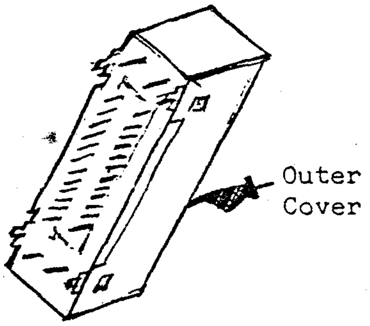
Still, the new switches of these two types have same improved characteristics electrically and mechanically.
Details of these former and new are :

Former	New
53021021-00 Switch, Remote FOB @¥540.-	57729131-00 Switch, Remote



Former

Glossy Tin Plate

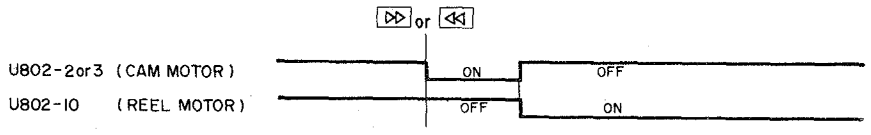
New

1. Made of Brass
2. The Brass protected with Mat Solder Layer

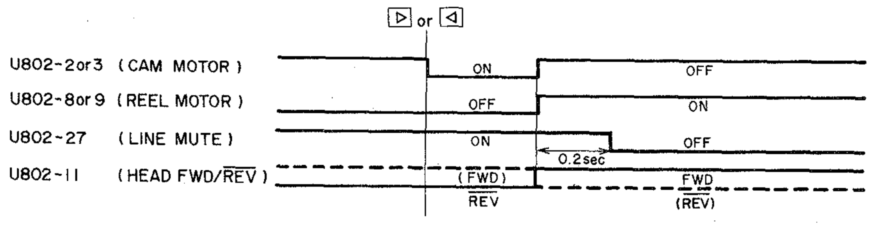
TEAC CORPORATION

SYSTEM CONTROL IC TIMING CHART

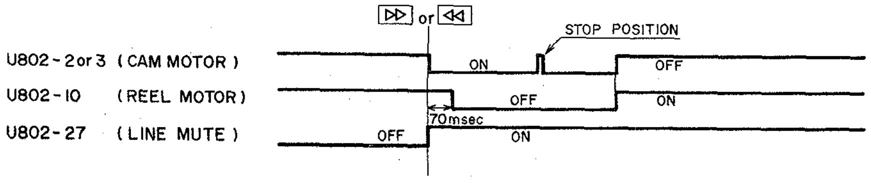
STOP ——→ FF or REW


▷▷ or ◁◁
U802-2or3 (CAM MOTOR)
U802-10 (REEL MOTOR)
ON
OFF
OFF
ON

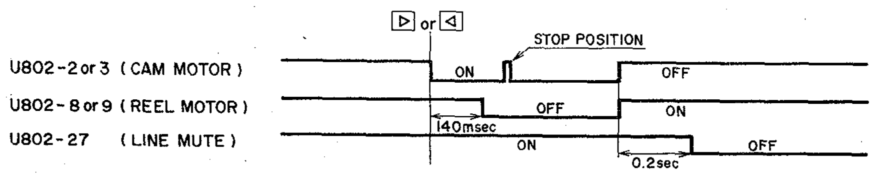
STOP ——→ PLAY


▷ or ◁
U802-2or3 (CAM MOTOR)
U802-8or9 (REEL MOTOR)
U802-27 (LINE MUTE)
U802-11 (HEAD FWD/REV)
ON
OFF
OFF
ON
ON
0.2sec
OFF
(FWD)
REV
FWD
(REV)

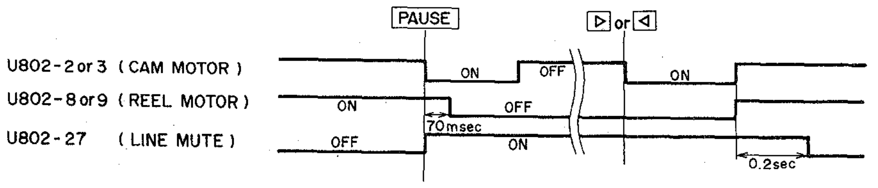
PLAY ——→ FF or REW


▷▷ or ◁◁
STOP POSITION
U802-2or3 (CAM MOTOR)
U802-10 (REEL MOTOR)
U802-27 (LINE MUTE)
ON
OFF
OFF
ON
70msec
OFF
ON

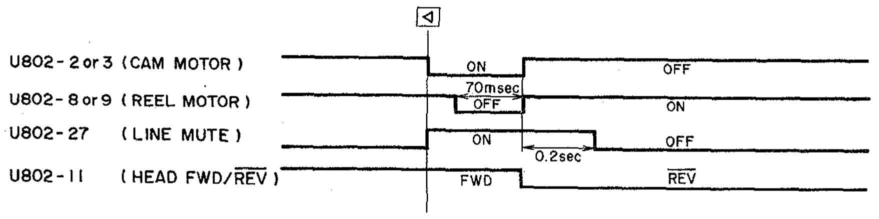
FF or REW ——→ PLAY


▷ or ◁
STOP POSITION
U802-2or3 (CAM MOTOR)
U802-8or9 (REEL MOTOR)
U802-27 (LINE MUTE)
ON
OFF
OFF
ON
140msec
ON
0.2sec
OFF

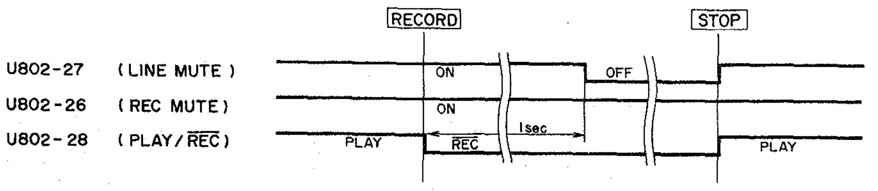
PLAY ——→ PLAY/PAUSE ——→ PLAY


PAUSE
▷ or ◁
U802-2or3 (CAM MOTOR)
U802-8or9 (REEL MOTOR)
U802-27 (LINE MUTE)
ON
OFF
ON
ON
OFF
OFF
70msec
ON
0.2sec

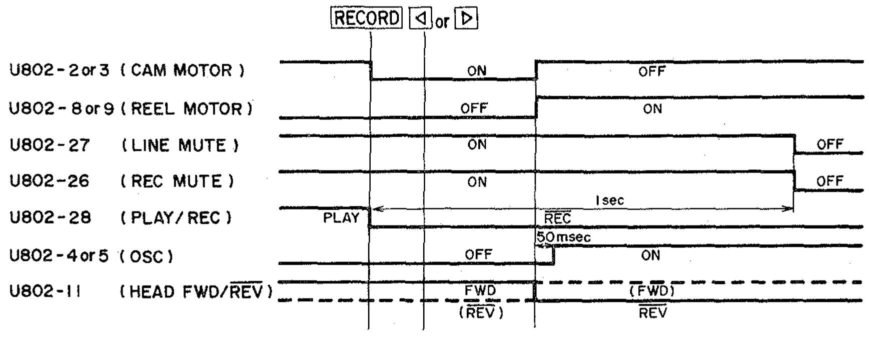
▷ PLAY ——→ ◁ PLAY


◁
U802-2or3 (CAM MOTOR)
U802-8or9 (REEL MOTOR)
U802-27 (LINE MUTE)
U802-11 (HEAD FWD/REV)
ON
OFF
70msec
OFF
ON
ON
0.2sec
OFF
FWD
REV

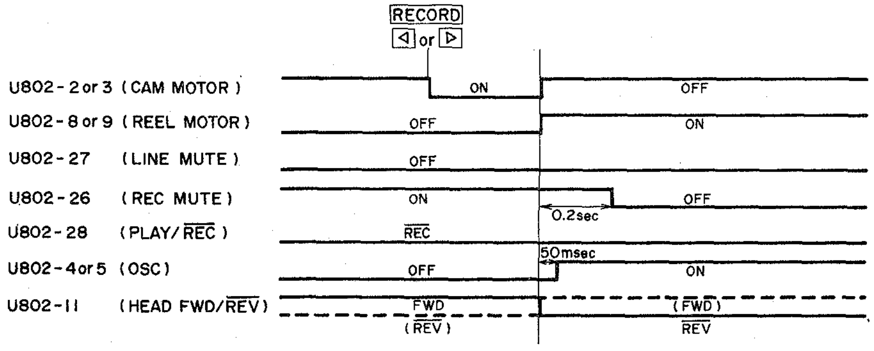
STOP ——→ REC / STOP ——→ STOP


RECORD
STOP
U802-27 (LINE MUTE)
U802-26 (REC MUTE)
U802-28 (PLAY/REC)
ON
OFF
ON
1sec
PLAY
REC
PLAY

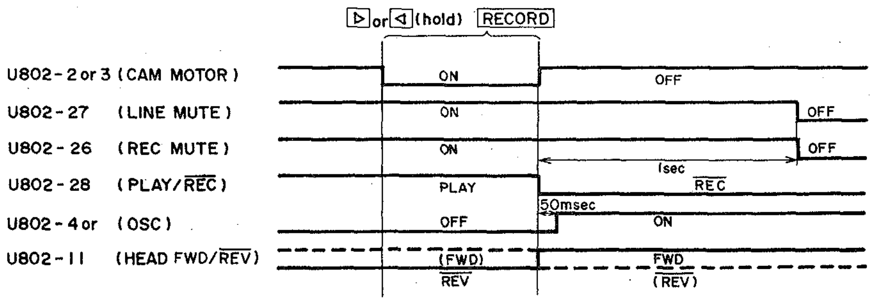
STOP ——→ REC (hold) ——→ REC + PLAY


RECORD ◁ or ▷
U802-2or3 (CAM MOTOR)
U802-8or9 (REEL MOTOR)
U802-27 (LINE MUTE)
U802-26 (REC MUTE)
U802-28 (PLAY/REC)
U802-4or5 (OSC)
U802-11 (HEAD FWD/REV)
ON
OFF
OFF
ON
ON
OFF
ON
OFF
1sec
PLAY
REC
50msec
OFF
ON
FWD
(REV)
(FWD)
REV

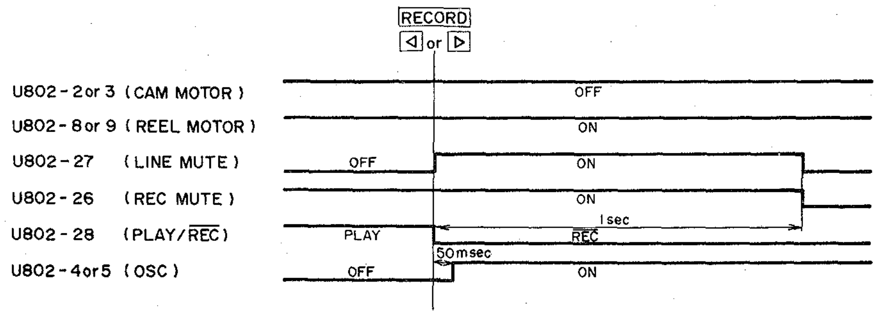
REC/STOP ——→ REC + PLAY


RECORD
◁ or ▷
U802-2or3 (CAM MOTOR)
U802-8or9 (REEL MOTOR)
U802-27 (LINE MUTE)
U802-26 (REC MUTE)
U802-28 (PLAY/REC)
U802-4or5 (OSC)
U802-11 (HEAD FWD/REV)
ON
OFF
OFF
ON
OFF
ON
0.2sec
OFF
REC
50msec
OFF
ON
FWD
(REV)
(FWD)
REV

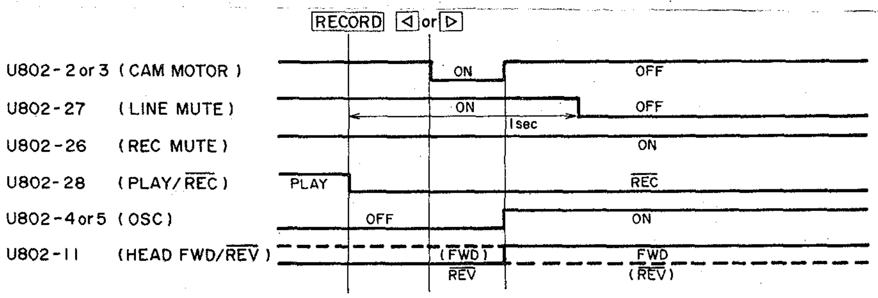
STOP ——→ PLAY (hold) ——→ REC + PLAY


▷ or ◁ (hold) RECORD
U802-2or3 (CAM MOTOR)
U802-27 (LINE MUTE)
U802-26 (REC MUTE)
U802-28 (PLAY/REC)
U802-4or (OSC)
U802-11 (HEAD FWD/REV)
ON
OFF
ON
OFF
ON
OFF
1sec
PLAY
REC
50msec
OFF
ON
(FWD)
REV
FWD
(REV)

PLAY ——→ REC + PLAY (PUNCH IN RECORD)


RECORD
◁ or ▷
U802-2or3 (CAM MOTOR)
U802-8or9 (REEL MOTOR)
U802-27 (LINE MUTE)
U802-26 (REC MUTE)
U802-28 (PLAY/REC)
U802-4or5 (OSC)
OFF
ON
OFF
ON
ON
1sec
PLAY
REC
50msec
OFF
ON

PAUSE/STOP ——→ REC (hold) REC/PLAY/PAUSE

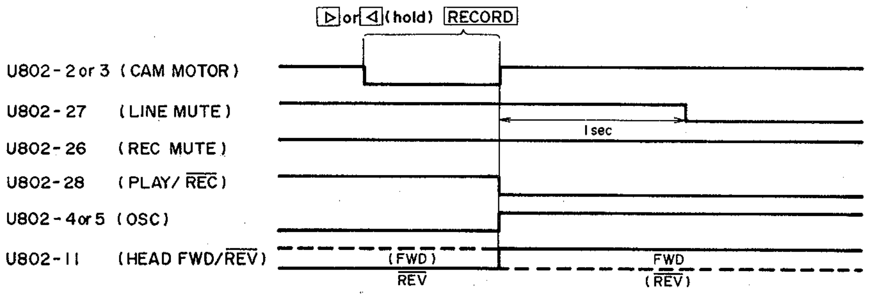

RECORD ◁ or ▷
U802-2or3 (CAM MOTOR)
U802-27 (LINE MUTE)
U802-26 (REC MUTE)
U802-28 (PLAY/REC)
U802-4or5 (OSC)
U802-11 (HEAD FWD/REV)
ON
OFF
ON
1sec
OFF
ON
PLAY
REC
OFF
ON
(FWD)
REV
FWD
(REV)

V-909RX/V-707RX/V-707R

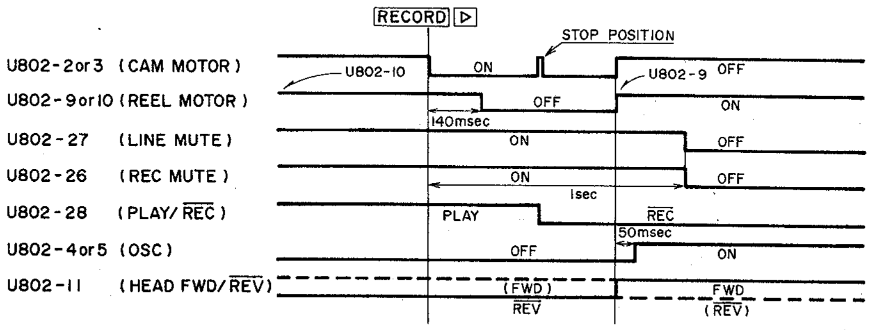
Auto-Reverse Stereo Cassette Deck

SYSTEM CONTROL IC TIMING CHART

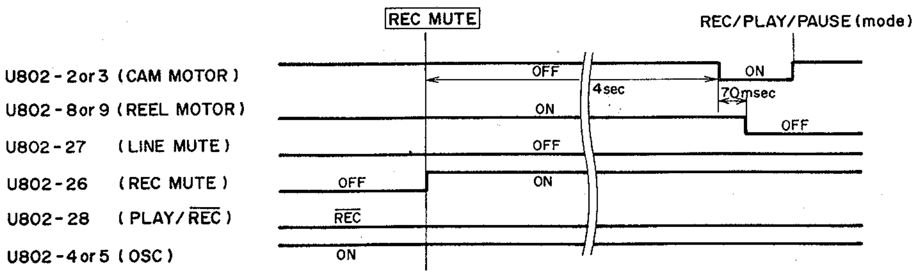
PAUSE/STOP ⟶ PLAY(hold)


▷ or ◁ (hold) RECORD
U802-2or3 (CAM MOTOR)
U802-27 (LINE MUTE)
U802-26 (REC MUTE)
U802-28 (PLAY/$\overline{\text{REC}}$)
U802-4or5 (OSC)
U802-11 (HEAD FWD/$\overline{\text{REV}}$)
1sec
(FWD)
REV
FWD
($\overline{\text{REV}}$)

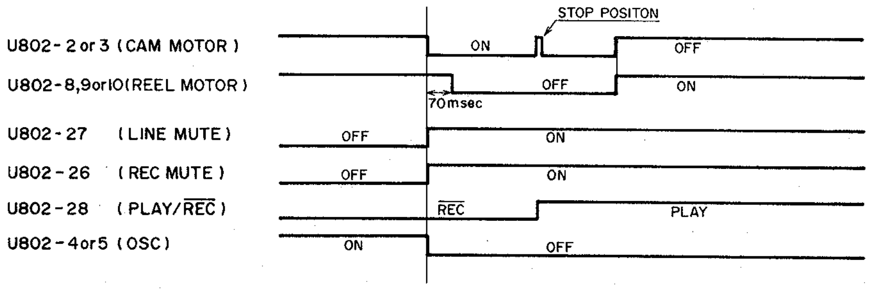
FF ⟶ REC + ▷


RECORD ▷
STOP POSITION
U802-2or3 (CAM MOTOR)
U802-9or10 (REEL MOTOR)
U802-27 (LINE MUTE)
U802-26 (REC MUTE)
U802-28 (PLAY/$\overline{\text{REC}}$)
U802-4or5 (OSC)
U802-11 (HEAD FWD/$\overline{\text{REV}}$)
U802-10
ON
U802-9
OFF
OFF
ON
140msec
OFF
ON
OFF
1sec
PLAY
$\overline{\text{REC}}$
50msec
OFF
ON
(FWD)
$\overline{\text{REV}}$
FWD
($\overline{\text{REV}}$)

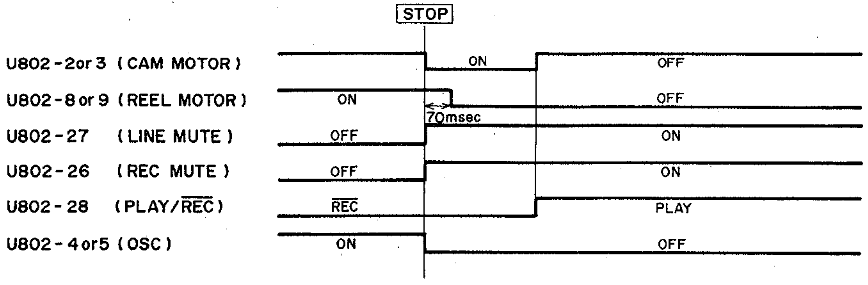
REC + PLAY ⟶ REC MUTE


REC MUTE
REC/PLAY/PAUSE (mode)
U802-2or3 (CAM MOTOR)
U802-8or9 (REEL MOTOR)
U802-27 (LINE MUTE)
U802-26 (REC MUTE)
U802-28 (PLAY/$\overline{\text{REC}}$)
U802-4or5 (OSC)
OFF
4sec
ON
70msec
ON
OFF
OFF
OFF
ON
$\overline{\text{REC}}$
ON

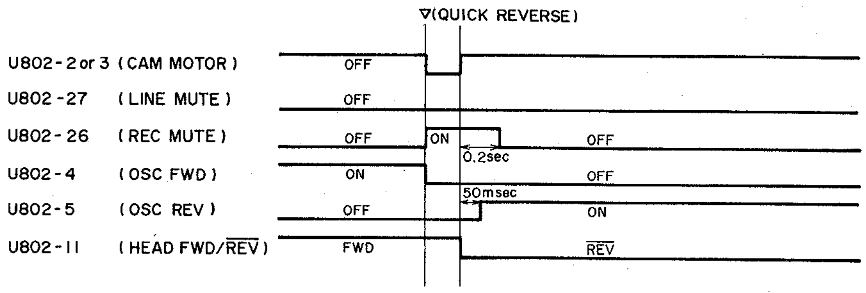
REC + PLAY ⟶ FF or REW


STOP POSITON
U802-2or3 (CAM MOTOR)
U802-8,9or10 (REEL MOTOR)
U802-27 (LINE MUTE)
U802-26 (REC MUTE)
U802-28 (PLAY/$\overline{\text{REC}}$)
U802-4or5 (OSC)
ON
OFF
OFF
ON
70msec
OFF
ON
OFF
ON
$\overline{\text{REC}}$
PLAY
ON
OFF

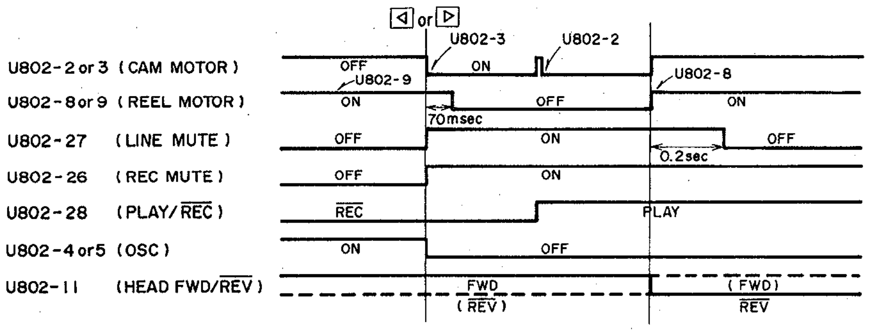
REC + PLAY ⟶ STOP


STOP
U802-2or3 (CAM MOTOR)
U802-8or9 (REEL MOTOR)
U802-27 (LINE MUTE)
U802-26 (REC MUTE)
U802-28 (PLAY/$\overline{\text{REC}}$)
U802-4or5 (OSC)
ON
OFF
ON
OFF
70msec
OFF
ON
OFF
ON
$\overline{\text{REC}}$
PLAY
ON
OFF

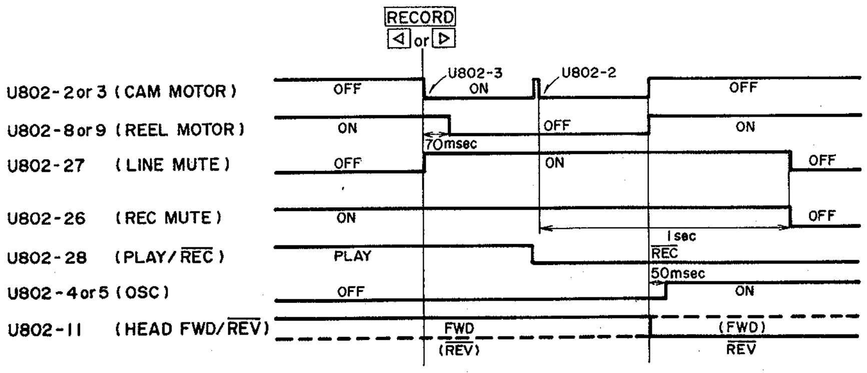
QUICK REVERSE (REC + ▷ ⟶ REC + ◁)


▽(QUICK REVERSE)
U802-2or3 (CAM MOTOR)
U802-27 (LINE MUTE)
U802-26 (REC MUTE)
U802-4 (OSC FWD)
U802-5 (OSC REV)
U802-11 (HEAD FWD/$\overline{\text{REV}}$)
OFF
OFF
OFF
ON
0.2sec
OFF
ON
OFF
50msec
OFF
ON
FWD
$\overline{\text{REV}}$

REC + ▷ ⟶ ◁ (REC + ◁ ⟶ ▷)


◁ or ▷
U802-3
U802-2
U802-2or3 (CAM MOTOR)
U802-8or9 (REEL MOTOR)
U802-27 (LINE MUTE)
U802-26 (REC MUTE)
U802-28 (PLAY/$\overline{\text{REC}}$)
U802-4or5 (OSC)
U802-11 (HEAD FWD/$\overline{\text{REV}}$)
OFF
U802-9
ON
U802-8
ON
OFF
ON
70msec
OFF
ON
0.2sec
OFF
OFF
ON
$\overline{\text{REC}}$
PLAY
ON
OFF
FWD
($\overline{\text{REV}}$)
(FWD)
$\overline{\text{REV}}$

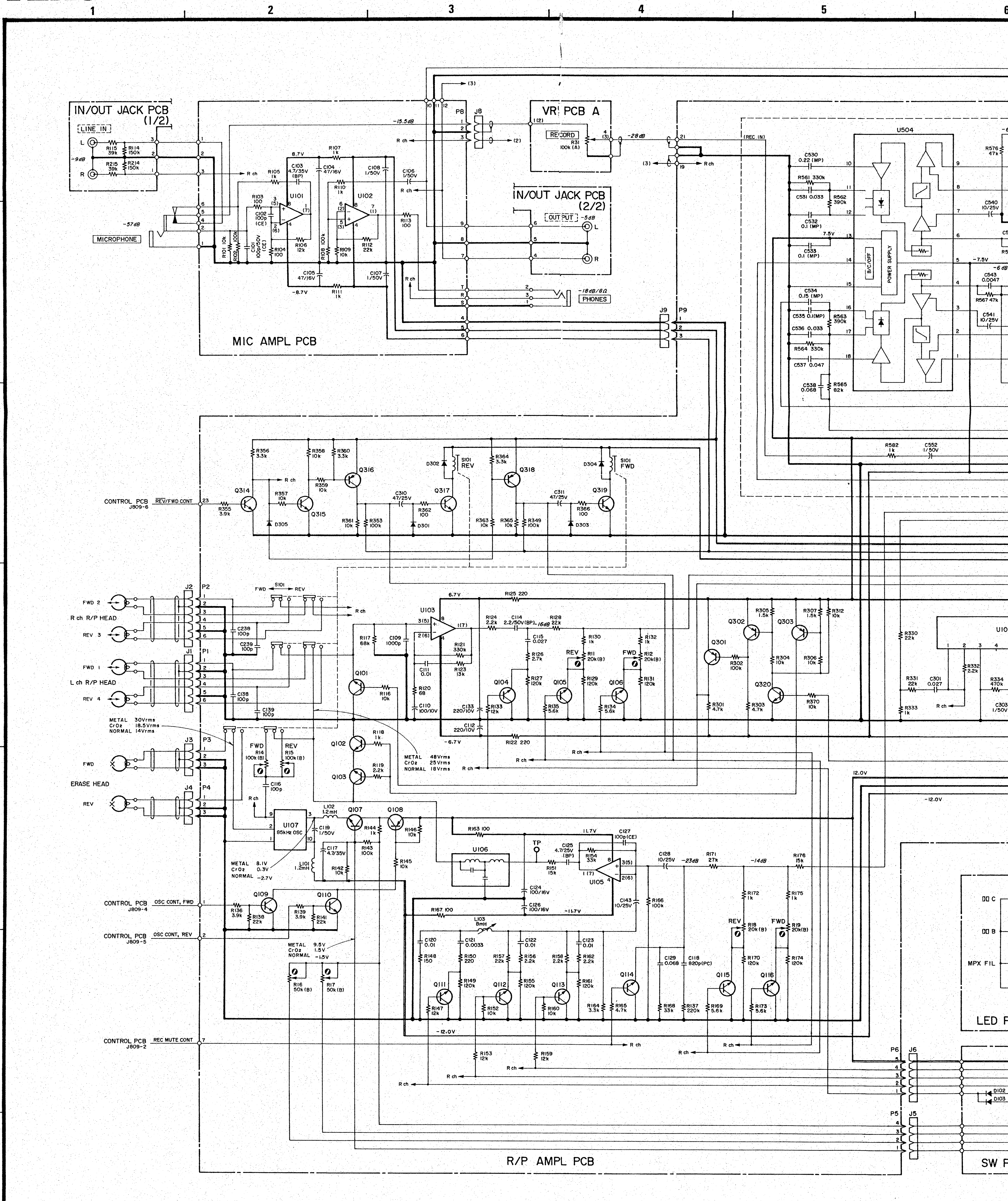
▷ ⟶ REC + ◁ (◁ ⟶ REC + ▷)


RECORD
◁ or ▷
U802-3
U802-2
U802-2or3 (CAM MOTOR)
U802-8or9 (REEL MOTOR)
U802-27 (LINE MUTE)
U802-26 (REC MUTE)
U802-28 (PLAY/$\overline{\text{REC}}$)
U802-4or5 (OSC)
U802-11 (HEAD FWD/$\overline{\text{REV}}$)
OFF
ON
OFF
ON
70msec
OFF
ON
OFF
ON
OFF
ON
OFF
1sec
PLAY
$\overline{\text{REC}}$
50msec
OFF
ON
FWD
(REV)
(FWD)
$\overline{\text{REV}}$

V-909RX/V-707RX/V-707R

Auto-Reverse Stereo Cassette Deck

TEAC SCHEMATIC DIAGRAM (AMPLIFIER) **V-707R**

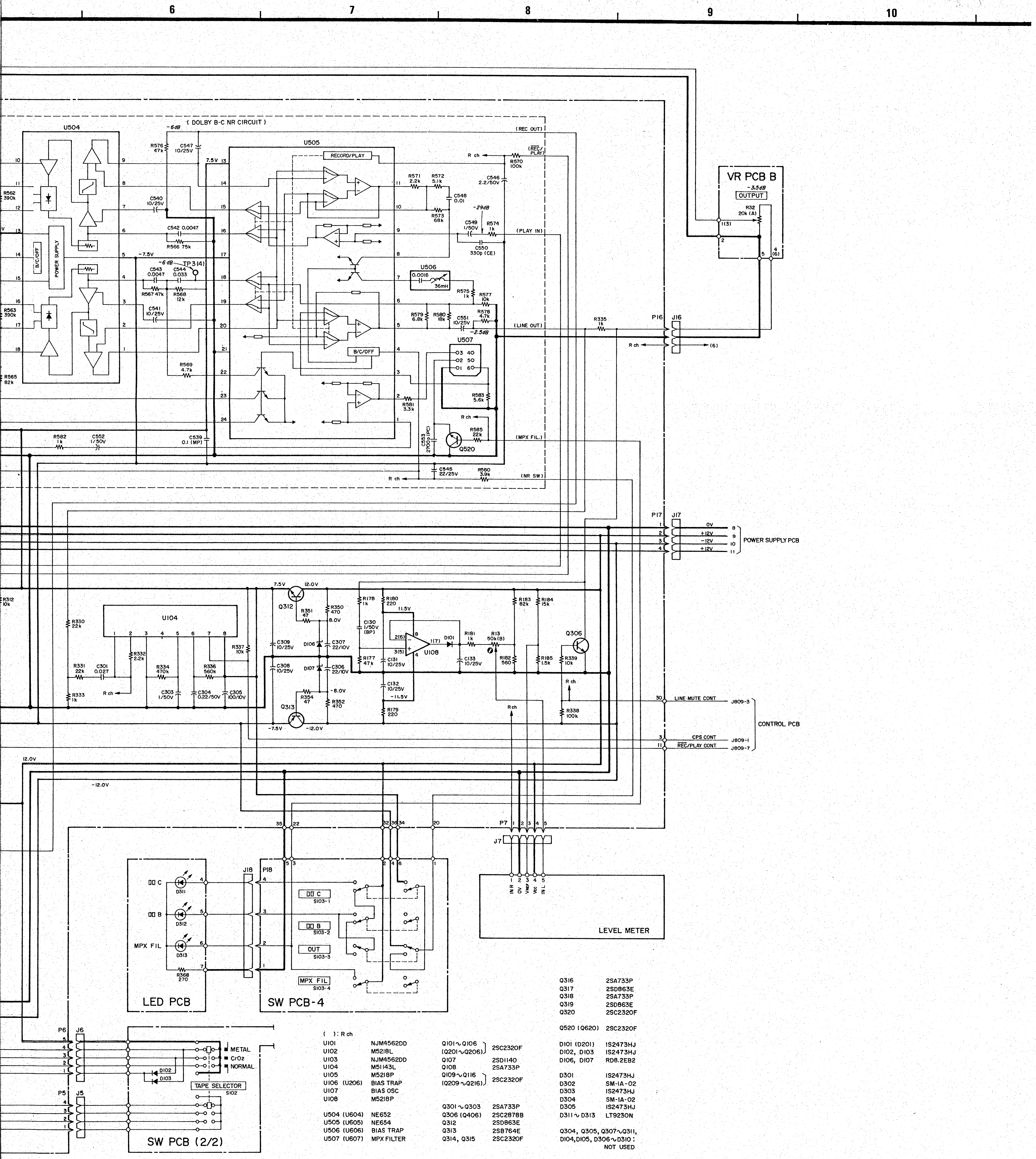

1
2
3
4
5
6
A
B
C
D
E
F
G
H
IN/OUT JACK PCB (1/2)
LINE IN
L
R
-9dB
-57dB
MICROPHONE
MIC AMPL PCB
U101
U102
8.7V
-8.7V
-15.5dB
R ch
P8
J8
VR PCB A
RECORD
R31 100k (A)
-28dB
IN/OUT JACK PCB (2/2)
OUT PUT
-5dB
-18dB/8Ω
PHONES
J9
P9
(REC IN)
U504
POWER SUPPLY
B/C OFF
7.5V
-7.5V
-6dB
CONTROL PCB J809-6 REV/FWD CONT
S101 REV
S101 FWD
Q314
Q315
Q316
Q317
Q318
Q319
FWD 2
R ch R/P HEAD
REV 3
FWD 1
L ch R/P HEAD
REV 4
J2
P2
J1
P1
J3
P3
J4
P4
ERASE HEAD
FWD
REV
METAL 30Vrms
CrO2 18.5Vrms
NORMAL 14Vrms
U103
6.7V
-6.7V
-16dB
Q101
Q102
Q103
Q104
Q105
Q106
METAL 48Vrms
CrO2 25Vrms
NORMAL 18Vrms
Q301
Q302
Q303
Q320
U107 85kHz OSC
Q107
Q108
METAL 8.1V
CrO2 0.3V
NORMAL -2.7V
CONTROL PCB J809-4 OSC CONT, FWD
CONTROL PCB J809-5 OSC CONT, REV
Q109
Q110
METAL 9.5V
CrO2 1.5V
NORMAL -1.5V
U106
TP
U105
11.7V
-11.7V
-23dB
-14dB
12.0V
-12.0V
Q111
Q112
Q113
Q114
Q115
Q116
CONTROL PCB J809-2 REC MUTE CONT
P6
J6
P5
J5
R/P AMPL PCB
MPX FIL
LED
SW

NOTES

1. Schematic diagram is shown for left channel, unless otherwise noted.
2. Resistor values are in ohms (k=kilo-ohms M=megohms).
3. All capacitor values are in microfarads (p=picofarads).
   All non-polarized capacitors are ±5% Mylar, unless otherwise noted.
4. Voltage and level values are values of actural measurement.
   0 dB=0.775V
5. ☐ : Front panel indication
6. [‐‐‐] : Rear panel indication
7. ——— +B power supply circuit
8. ——— −B power supply circuit
9. ⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components.
   Refer to the appropriate parts list to ensure exact replacement.

INSTRUCTIONS FOR SERVICE PERSONNEL

BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.


6
7
8
9
10
U504
(DOLBY B-C NR CIRCUIT)
U505
RECORD/PLAY
B/C/OFF
POWER SUPPLY
U506
U507
Q520
(REC OUT)
(REC/PLAY)
(PLAY IN)
(LINE OUT)
(MPX FIL.)
(NR SW)
VR PCB B
OUTPUT
R32 20k (A)
P16
J16
P17
J17
0V
+12V
−12V
+12V
POWER SUPPLY PCB
U104
Q312
Q313
U108
Q306
LINE MUTE CONT
CPS CONT
REC/PLAY CONT
J809-3
J809-1
J809-7
CONTROL PCB
P7
J7
IN R
0V
Vref
Vcc
IN L
LEVEL METER
J18
P18
MPX FIL
LED PCB
SW PCB-4
S103-1
S103-2
OUT
S103-3
MPX FIL
S103-4
P6
J6
P5
J5
METAL
CrO2
NORMAL
TAPE SELECTOR
S102
SW PCB (2/2)

Q316	2SA733P
Q317	2SD863E
Q318	2SA733P
Q319	2SD863E
Q320	2SC2320F
Q520 (Q620)	2SC2320F

( ): R ch

U101	NJM4562DD
U102	M5218L
U103	NJM4562DD
U104	M51143L
U105	M5218P
U106 (U206)	BIAS TRAP
U107	BIAS OSC
U108	M5218P
U504 (U604)	NE652
U505 (U605)	NE654
U506 (U606)	BIAS TRAP
U507 (U607)	MPX FILTER

Q101∿Q106 (Q201∿Q206)	2SC2320F
Q107	2SD1140
Q108	2SA733P
Q109∿Q116 (Q209∿Q216)	2SC2320F
Q301∿Q303	2SA733P
Q306 (Q406)	2SC2878B
Q312	2SD863E
Q313	2SB764E
Q314, Q315	2SC2320F

D101 (D201)	1S2473HJ
D102, D103	1S2473HJ
D106, D107	RD8.2EB2
D301	1S2473HJ
D302	SM-1A-02
D303	1S2473HJ
D304	SM-1A-02
D305	1S2473HJ
D311∿D313	LT9230N

Q304, Q305, Q307∿Q311,
D104, D105, D306∿D310 :
NOT USED

nnel, unless otherwise noted.
s M=megohms).
p=picofarads).
ylar, unless otherwise noted.
tural measurement.

ety critical components. They
components.
sure exact replacement.

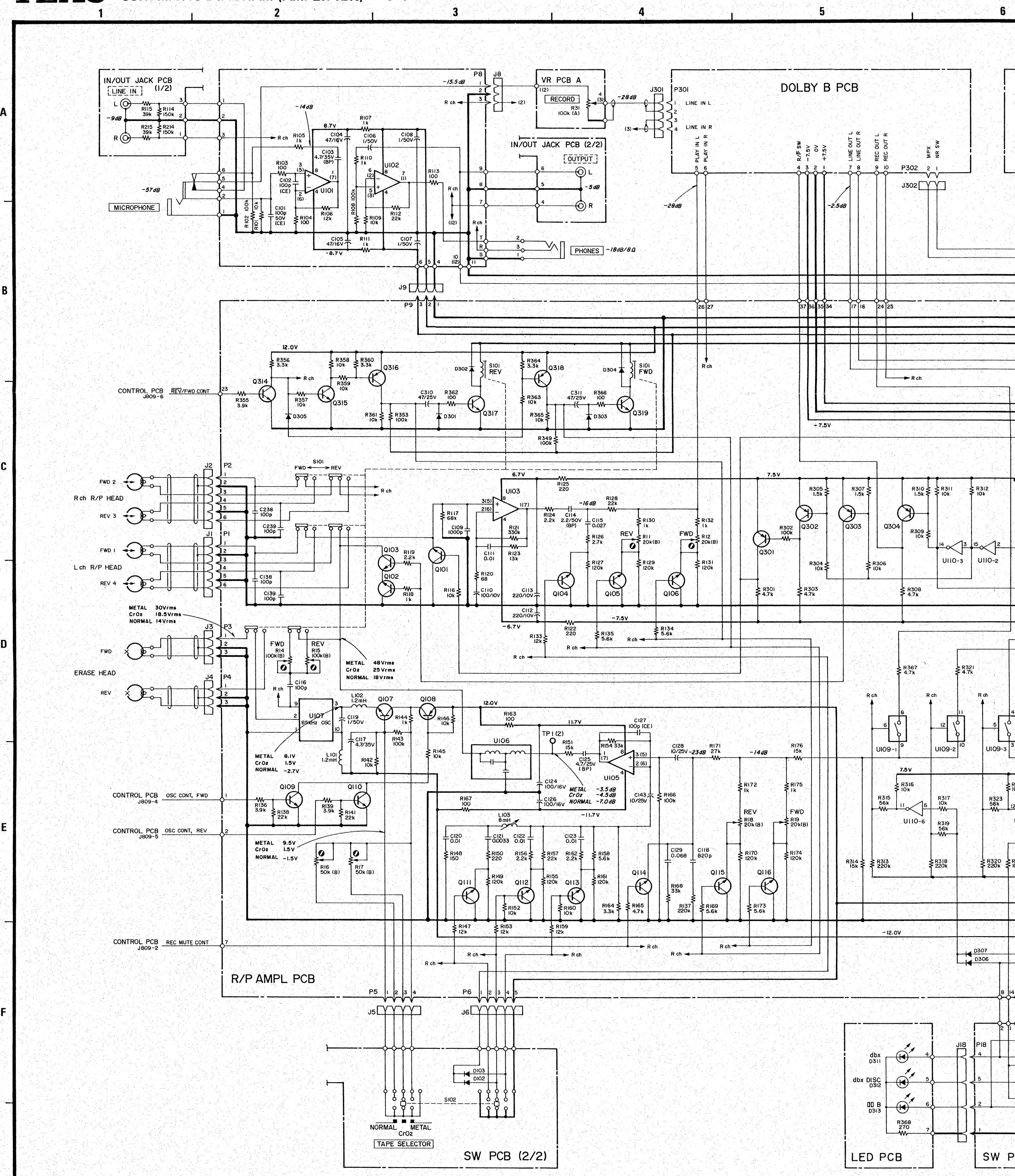
注

1. アンプ回路は一部を除きLchのみが示されています。
2. 抵抗の単位はΩ(k=kΩ，M=MΩ)です。
3. コンデンサの単位はμF(p=pF)です。
   特に指定のない無極性コンデンサは，偏差±5%のマイラコンデンサです。
4. 電圧及びレベルは参考値です。
   0 dB=0.775V
5. ▭：フロント・パネル上の表示
6. ⬚：リア・パネル上の表示
7. ———：+B電源回路
8. ———：−B電源回路
9. ⚠マークのある部品は安全重要部品です。
   交換するときは必ずティアック指定の部品を使用してください。

V-707R

Auto-Reverse Stereo Cassette Deck

TEAC SCHEMATIC DIAGRAM (AMPLIFIER) V-707RX

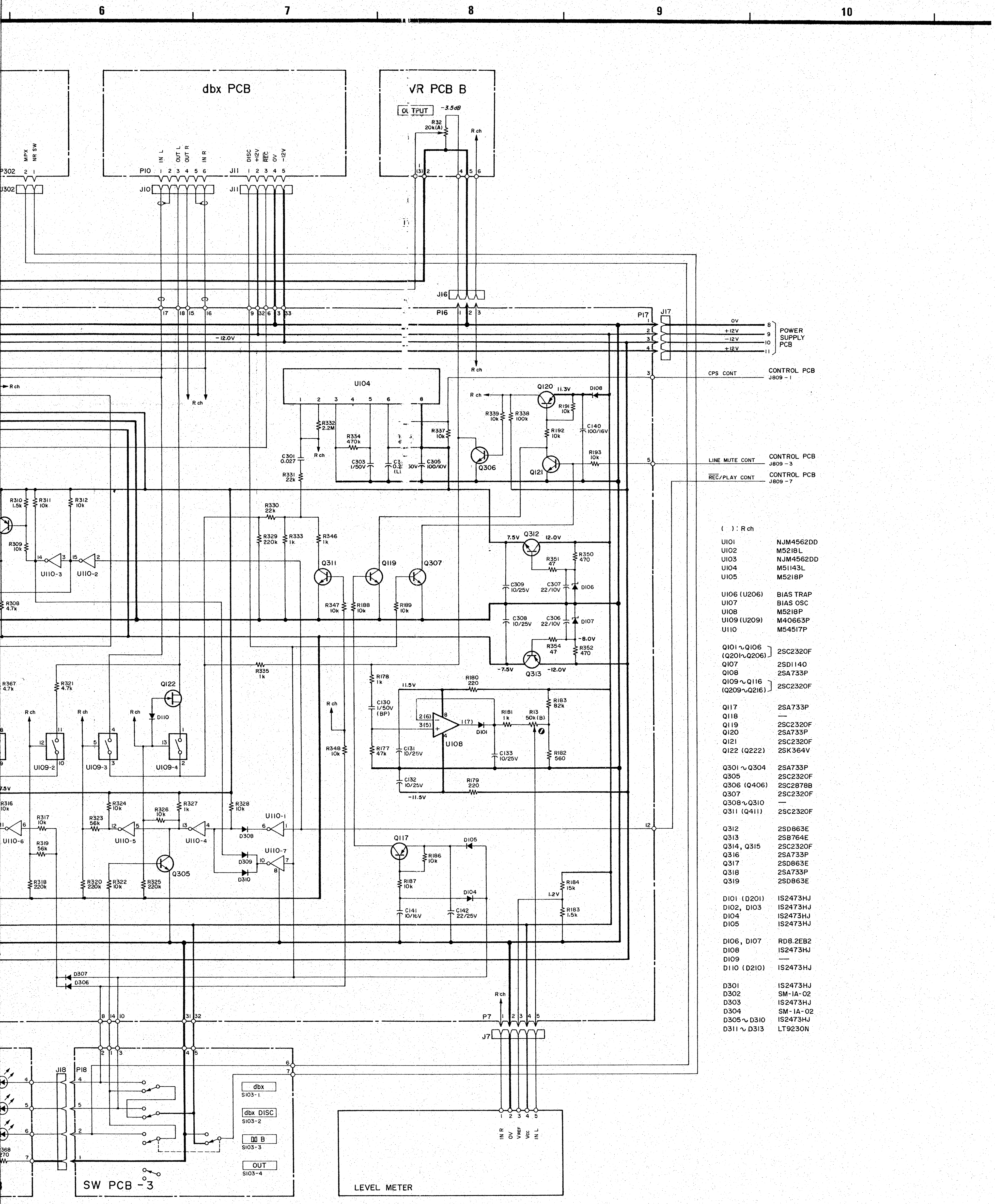

1
2
3
4
5
6
A
B
C
D
E
F
G
H
IN/OUT JACK PCB (1/2)
LINE IN
L
R
-9dB
R115 39k
R114 150k
R215 39k
R214 150k
MICROPHONE
-57dB
R102 100k
R101 10k
R103 100
C102 100p (CE)
C101 100p 50V (CE)
R104 100
R105 1k
C103 4.7/35V (BP)
C104 47/16V
8.7V
-14dB
R106 12k
U101
R107 1k
C106 1/50V
R110 1k
U102
R108 100k
R109 10k
R112 22k
C108 1/50V
C105 47/16V
R111 1k
C107 1/50V
-8.7V
R113 100
R ch
-15.5dB
P8
J8
VR PCB A
RECORD
R31 100k (A)
-28dB
J301
P301
DOLBY B PCB
LINE IN L
LINE IN R
PLAY IN L
PLAY IN R
R/P SW
-7.5V
0V
+7.5V
LINE OUT L
LINE OUT R
REC OUT L
REC OUT R
MPX
NR SW
P302
J302
-2.5dB
IN/OUT JACK PCB (2/2)
OUTPUT
-5dB
PHONES
-18dB/8Ω
J9
P9
CONTROL PCB J809-6
REV/FWD CONT
12.0V
R356 3.3k
R355 3.9k
Q314
R357 10k
D305
Q315
R358 10k
R359 10k
R360 3.3k
Q316
R361 10k
R353 100k
C310 47/25V
R362 100
D301
Q317
D302
S101 REV
R364 3.3k
Q318
R363 10k
R365 10k
C311 47/25V
R366 100
D303
Q319
D304
S101 FWD
R349 100k
-7.5V
FWD 2
R ch R/P HEAD
REV 3
FWD 1
L ch R/P HEAD
REV 4
J2
P2
J1
P1
S101
FWD
REV
C238 100p
C239 100p
C138 100p
C139 100p
Q103
Q102
R119 2.2k
R118 1k
Q101
R117 68k
C109 1000p
R116 10k
R120 68
C111 0.01
C110 100/10V
6.7V
U103
R125 220
R124 2.2k
C114 2.2/50V (BP)
-16dB
R128 22k
C115 0.027
R121 330k
R123 13k
R126 2.7k
R127 120k
C113 220/10V
C112 220/10V
Q104
Q105
Q106
R130 1k
R11 20k(B)
R129 120k
R132 1k
R12 20k(B)
R131 120k
REV
FWD
-7.5V
-6.7V
R133 12k
R122 220
R135 5.6k
R134 5.6k
7.5V
R305 1.5k
R307 1.5k
R310 1.5k
R311 10k
R312 10k
Q301
Q302
Q303
Q304
R302 100k
R301 4.7k
R303 4.7k
R304 10k
R306 10k
R308 4.7k
R309 10k
U110-3
U110-2
METAL 30Vrms
CrO2 18.5Vrms
NORMAL 14Vrms
ERASE HEAD
FWD
REV
J3
P3
J4
P4
FWD R14 100k(B)
REV R15 100k(B)
C116 100p
METAL 48Vrms
CrO2 25Vrms
NORMAL 18Vrms
U107 85kHz OSC
L102 1.2mH
C119 1/50V
C117 4.7/35V
L101 1.2mH
R142 10k
Q107
Q108
R144 1k
R143 100k
R146 10k
R145 10k
12.0V
R163 100
U106
11.7V
TP1 (2)
R151 15k
R154 33k
C127 100p (CE)
C125 4.7/25V (BP)
U105
C124 100/16V
C126 100/16V
METAL -3.5dB
CrO2 -4.5dB
NORMAL -7.0dB
C128 10/25V
-23dB
R171 27k
-14dB
R176 15k
C143 10/25V
R166 100k
METAL 8.1V
CrO2 1.5V
NORMAL -2.7V
CONTROL PCB J809-4
OSC CONT, FWD
Q109
Q110
R136 3.9k
R138 22k
R139 3.9k
R141 22k
CONTROL PCB J809-5
OSC CONT, REV
METAL 9.5V
CrO2 1.5V
NORMAL -1.5V
R16 50k (B)
R17 50k (B)
R167 100
L103 8mH
-11.7V
C120 0.01
C121 0.0033
C122 0.01
C123 0.01
R148 150
R150 220
R156 2.2k
R157 22k
R162 2.2k
R158 5.6k
R149 120k
R155 120k
R161 120k
Q111
Q112
Q113
Q114
R152 10k
R160 10k
R164 3.3k
R165 4.7k
C129 0.068
C118 820p
R168 33k
R137 220k
R172 1k
R175 1k
REV R18 20k (B)
FWD R19 20k(B)
R170 120k
R174 120k
Q115
Q116
R169 5.6k
R173 5.6k
R147 12k
R153 12k
R159 12k
-12.0V
CONTROL PCB J809-2
REC MUTE CONT
R/P AMPL PCB
P5
J5
P6
J6
D103
D102
S102
NORMAL
METAL
CrO2
TAPE SELECTOR
SW PCB (2/2)
R367 4.7k
R321 4.7k
U109-1
U109-2
U109-3
7.5V
R315 56k
R316 10k
R317 10k
R319 56k
R323 56k
U110-6
R314 15k
R313 220k
R318 220k
R320 220k
D307
D306
dbx D311
dbx DISC D312
DD B D313
R368 270
J18
P18
LED PCB
SW P

NOTES

1. Schematic diagram is shown for left channel, unless otherwise noted.
2. Resistor values are in ohms (k=kilo-ohms M=megohms).
3. All capacitor values are in microfarads (p=picofarads).
   All non-polarized capacitors are ±5% Mylar, unless otherwise noted.
4. Voltage and level values are values of actural measurement.
   0 dB=0.775V
5. ☐ : Front panel indication
6. ⬚ : Rear panel indication
7. ——— +B power supply circuit
8. ——— −B power supply circuit
9. ⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components.
   Refer to the appropriate parts list to ensure exact replacement.

INSTRUCTIONS FOR SERVICE PERSONNEL

BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.


6
7
8
9
10
dbx PCB
IN L
OUT L
OUT R
IN R
DISC
+12V
REC
0V
-12V
P10
J10
J11
MPX
NR SW
P302
J302
VR PCB B
OUTPUT
-3.5dB
R32 20k(A)
R ch
J16
P16
P17
J17
0V
+12V
-12V
+12V
POWER SUPPLY PCB
CPS CONT
CONTROL PCB J809-1
LINE MUTE CONT
CONTROL PCB J809-3
REC/PLAY CONT
CONTROL PCB J809-7
-12.0V
U104
Q120
Q121
Q306
Q311
Q119
Q307
Q312
Q313
Q122
Q305
Q117
U108
U110-1
U110-2
U110-3
U110-4
U110-5
U110-6
U110-7
U109-2
U109-3
U109-4
D307
D306
P7
J7
P18
J18
dbx S103-1
dbx DISC S103-2
B S103-3
OUT S103-4
SW PCB -3
IN R
0V
VREF
Vcc
IN L
LEVEL METER

( ) : R ch

U101	NJM4562DD
U102	M5218L
U103	NJM4562DD
U104	M51143L
U105	M5218P
U106 (U206)	BIAS TRAP
U107	BIAS OSC
U108	M5218P
U109 (U209)	M40663P
U110	M54517P
Q101 ∿ Q106 (Q201 ∿ Q206)	2SC2320F
Q107	2SD1140
Q108	2SA733P
Q109 ∿ Q116 (Q209 ∿ Q216)	2SC2320F
Q117	2SA733P
Q118	—
Q119	2SC2320F
Q120	2SA733P
Q121	2SC2320F
Q122 (Q222)	2SK364V
Q301 ∿ Q304	2SA733P
Q305	2SC2320F
Q306 (Q406)	2SC2878B
Q307	2SC2320F
Q308 ∿ Q310	—
Q311 (Q411)	2SC2320F
Q312	2SD863E
Q313	2SB764E
Q314, Q315	2SC2320F
Q316	2SA733P
Q317	2SD863E
Q318	2SA733P
Q319	2SD863E
D101 (D201)	1S2473HJ
D102, D103	1S2473HJ
D104	1S2473HJ
D105	1S2473HJ
D106, D107	RD8.2EB2
D108	1S2473HJ
D109	—
D110 (D210)	1S2473HJ
D301	1S2473HJ
D302	SM-1A-02
D303	1S2473HJ
D304	SM-1A-02
D305 ∿ D310	1S2473HJ
D311 ∿ D313	LT9230N

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ent.

ponents. They

cement.

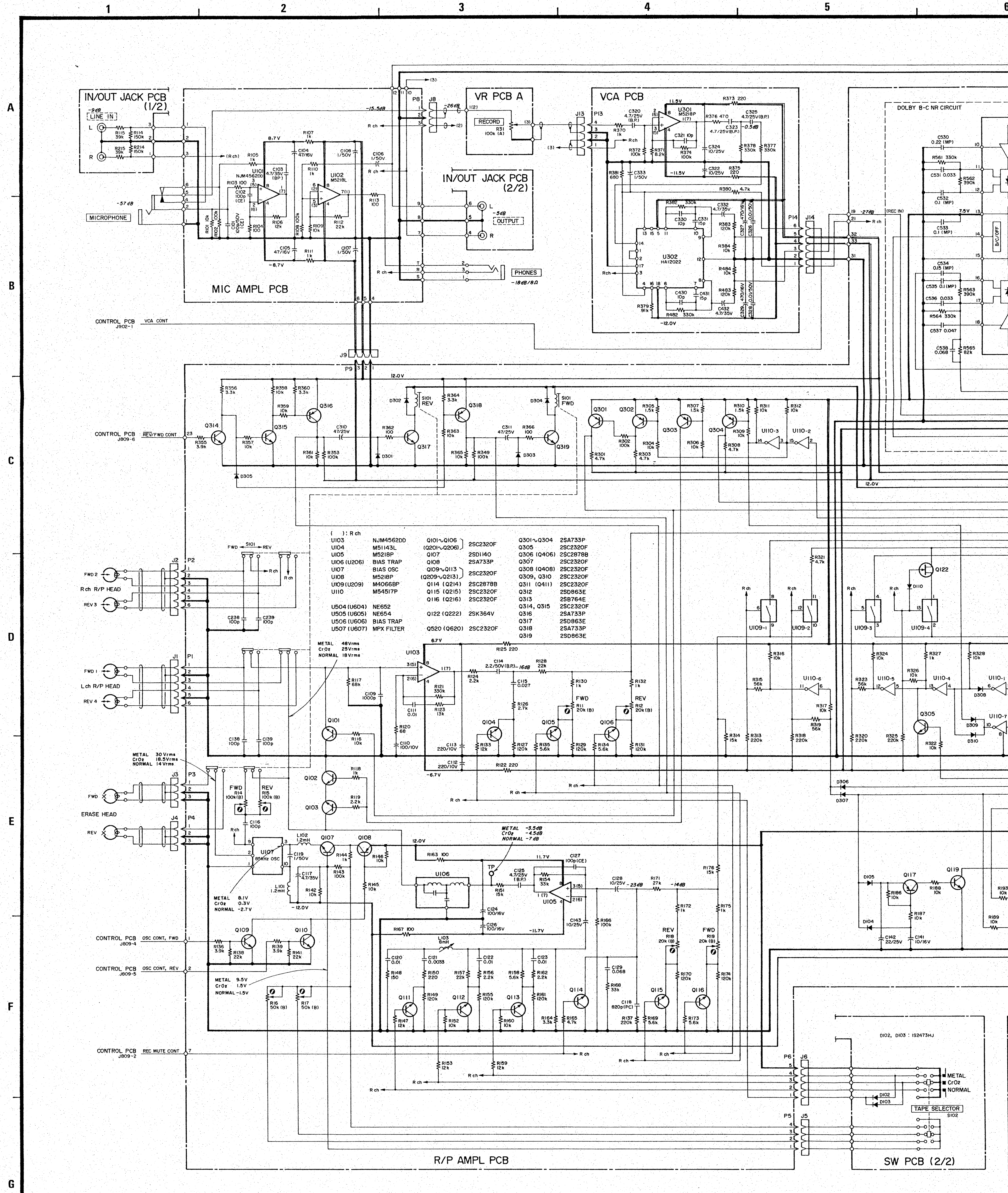
注

1. アンプ回路は一部を除きLchのみが示されています.
2. 抵抗の単位はΩ(k=kΩ, M=MΩ)です.
3. コンデンサの単位はμF(p=pF)です.
   特に指定のない無極性コンデンサは, 偏差±5%のマイラコンデンサです.
4. 電圧及びレベルは参考値です.
   0 dB=0.775V
5. ▭ : フロント·パネル上の表示
6. ⬚ : リア·パネル上の表示
7. ——— : +B電源回路
8. ——— : −B電源回路
9. ⚠マークのある部品は安全重要部品です.
   交換するときは必ずティアック指定の部品を使用してください.

V-707RX

Auto-Reverse Stereo Cassette Deck

TEAC SCHEMATIC DIAGRAM (AMPLIFIER) **V-909RX**


1
2
3
4
5
6
A
B
C
D
E
F
G
IN/OUT JACK PCB (1/2)
LINE IN
MICROPHONE
MIC AMPL PCB
VR PCB A
RECORD
VCA PCB
IN/OUT JACK PCB (2/2)
OUTPUT
PHONES
DOLBY B-C NR CIRCUIT
B/C/OFF
CONTROL PCB J902-1 VCA CONT
CONTROL PCB J809-6 REV/FWD CONT
CONTROL PCB J809-4 OSC CONT, FWD
CONTROL PCB J809-5 OSC CONT, REV
CONTROL PCB J809-2 REC MUTE CONT
R ch R/P HEAD
L ch R/P HEAD
ERASE HEAD
FWD
REV
METAL 48Vrms
CrO2 25Vrms
NORMAL 18Vrms
METAL 30Vrms
CrO2 18.5Vrms
NORMAL 14Vrms
METAL 8.1V
CrO2 0.3V
NORMAL -2.7V
METAL 9.5V
CrO2 1.5V
NORMAL -1.5V
METAL -3.5dB
CrO2 -4.5dB
NORMAL -7dB
85kHz OSC
R/P AMPL PCB
SW PCB (2/2)
TAPE SELECTOR S102
METAL
CrO2
NORMAL
D102, D103 : IS2473HJ

( ): R ch

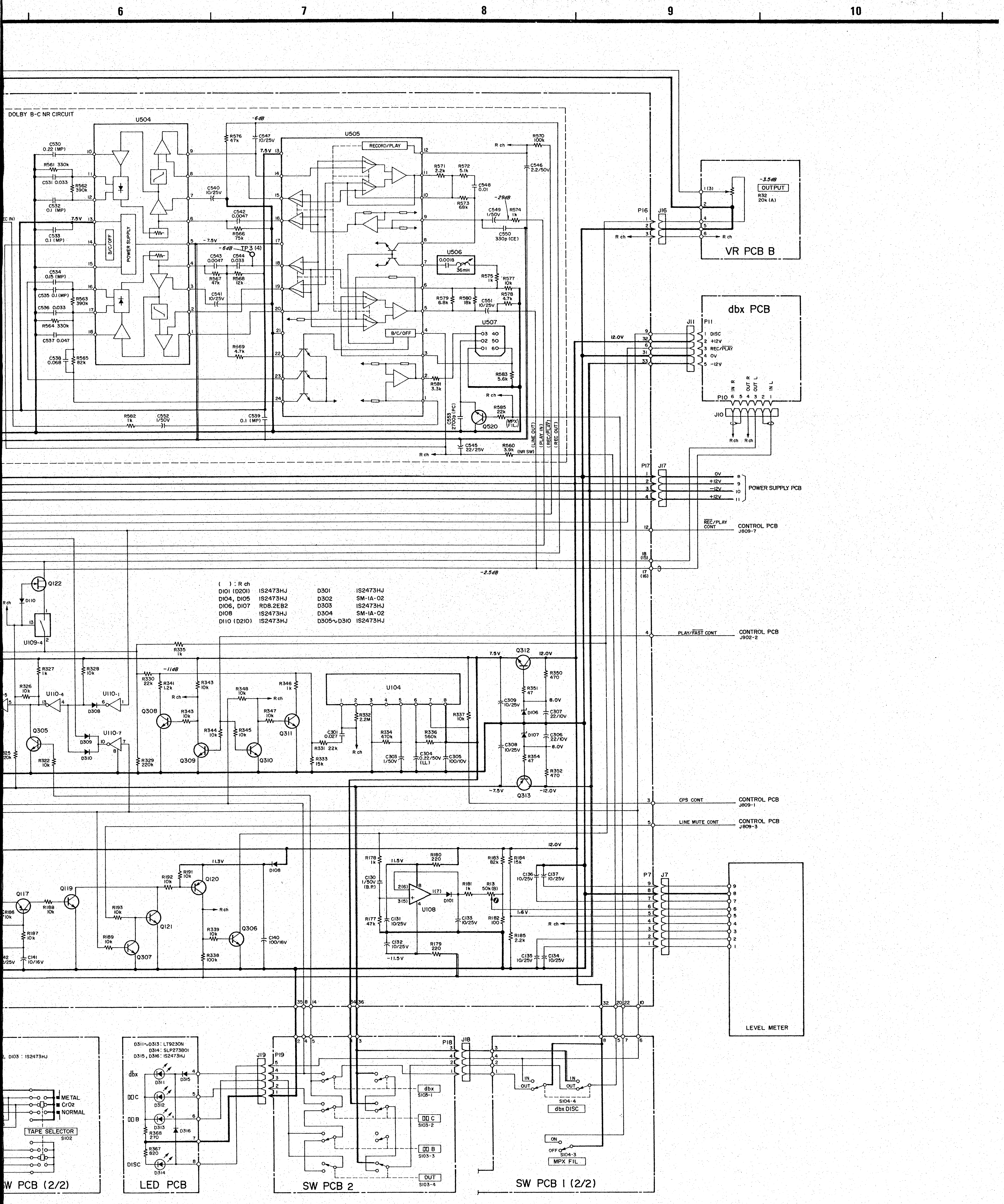
U103	NJM4562DD	Q101∿Q106 (Q201∿Q206)	2SC2320F	Q301∿Q304	2SA733P
U104	M51143L			Q305	2SC2320F
U105	M5218P	Q107	2SD1140	Q306 (Q406)	2SC2878B
U106 (U206)	BIAS TRAP	Q108	2SA733P	Q307	2SC2320F
U107	BIAS OSC	Q109∿Q113 (Q209∿Q213)	2SC2320F	Q308 (Q408)	2SC2320F
U108	M5218P			Q309, Q310	2SC2320F
U109 (U209)	M4066BP	Q114 (Q214)	2SC2878B	Q311 (Q411)	2SC2320F
U110	M54517P	Q115 (Q215)	2SC2320F	Q312	2SD863E
		Q116 (Q216)	2SC2320F	Q313	2SB764E
U504 (U604)	NE652			Q314, Q315	2SC2320F
U505 (U605)	NE654	Q122 (Q222)	2SK364V	Q316	2SA733P
U506 (U606)	BIAS TRAP			Q317	2SD863E
U507 (U607)	MPX FILTER	Q520 (Q620)	2SC2320F	Q318	2SA733P
				Q319	2SD863E

NOTES

1. Schematic diagram is shown for left channel, unless otherwise noted.
2. Resistor values are in ohms (k=kilo-ohms M=megohms).
3. All capacitor values are in microfarads (p=picofarads).
   All non-polarized capacitors are ±5% Mylar, unless otherwise noted.
4. Voltage and level values are values of actural measurement.
   0 dB=0.775V
5. ☐ : Front panel indication
6. ⬚ : Rear panel indication
7. ——— +B power supply circuit
8. ——— −B power supply circuit
9. ⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components.
   Refer to the appropriate parts list to ensure exact replacement.

INSTRUCTIONS FOR SERVICE PERSONNEL

BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.



6
7
8
9
10
DOLBY B-C NR CIRCUIT
U504
U505
RECORD/PLAY
U506
U507
B/C/OFF
POWER SUPPLY
TP3 (4)
Q520
(LINE OUT)
(PLAY IN)
(REC/PLAY)
(REC OUT)
VR PCB B
OUTPUT
R32 20k (A)
-3.5dB
P16
J16
dbx PCB
J11
P11
1 DISC
2 +12V
3 REC/PLAY
4 0V
5 -12V
P10
J10
IN R
OUT R
OUT L
IN L
P17
J17
POWER SUPPLY PCB
0V
+12V
-12V
+12V
REC/PLAY CONT
CONTROL PCB J809-7
PLAY/FAST CONT
CONTROL PCB J902-2
CPS CONT
CONTROL PCB J809-1
LINE MUTE CONT
CONTROL PCB J809-3
( ):R ch
D101 (D201) IS2473HJ
D104, D105 IS2473HJ
D106, D107 RD8.2EB2
D108 IS2473HJ
D110 (D210) IS2473HJ
D301 IS2473HJ
D302 SM-1A-02
D303 IS2473HJ
D304 SM-1A-02
D305~D310 IS2473HJ
Q122
U109-4
U110-4
U110-1
U110-7
Q305
Q308
Q309
Q310
Q311
U104
Q312
Q313
Q117
Q119
Q120
Q121
Q306
Q307
U108
D101
D108
P7
J7
LEVEL METER
D311~D313 : LT9230N
D314 : SLP273B01
D315, D316 : IS2473HJ
dbx
DISC
METAL
CrO2
NORMAL
TAPE SELECTOR
S102
W PCB (2/2)
LED PCB
J19
P19
P18
J18
S103-1
S103-2
S103-3
OUT
S103-4
SW PCB 2
IN
OUT
S104-4
dbx DISC
ON
OFF
S104-3
MPX FIL
SW PCB 1 (2/2)

 otherwise noted.
hms).
ls).
otherwise noted.
rement.

omponents. They
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eplacement.

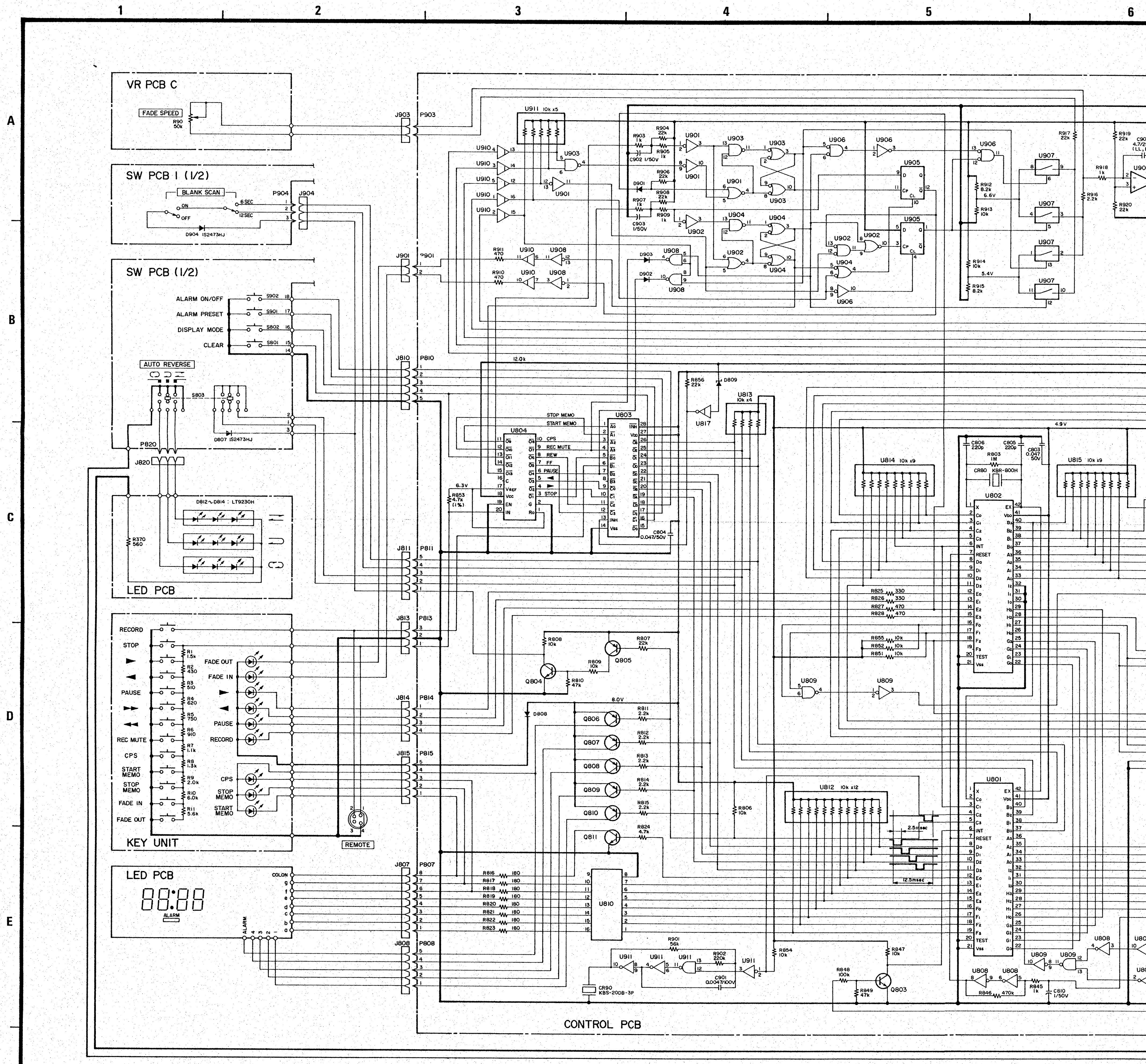
注

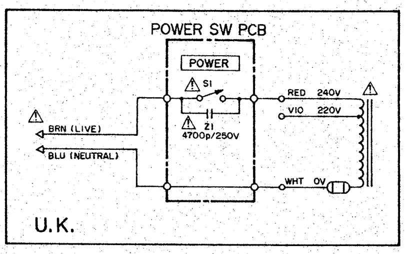
1. アンプ回路は一部を除きLchのみが示されています.
2. 抵抗の単位はΩ(k=kΩ, M=MΩ)です.
3. コンデンサの単位はμF(p=pF)です.
特に指定のない無極性コンデンサは, 偏差±5%のマイラコンデンサです.
4. 電圧及びレベルは参考値です.
0 dB=0.775V
5. ▭ : フロント・パネル上の表示
6. ⬚ : リア・パネル上の表示
7. ——— : +B電源回路
8. ——— : −B電源回路
9. ⚠マークのある部品は安全重要部品です.
交換するときは必ずティアック指定の部品を使用してください.

V-909RX

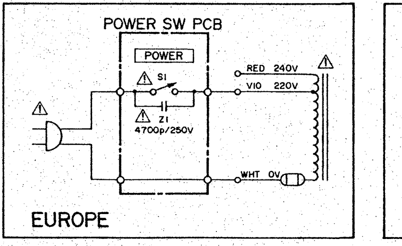
Auto-Reverse Stereo Cassette Deck

TEAC SCHEMATIC DIAGRAM (CONTROL) V-909RX

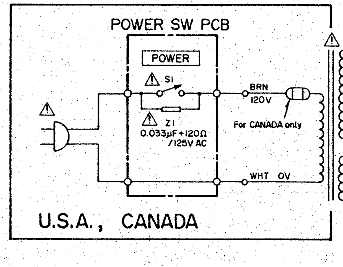

1
2
3
4
5
6
A
B
C
D
E
VR PCB C
FADE SPEED
R90 50k
SW PCB I (1/2)
BLANK SCAN
ON
OFF
6SEC
12SEC
D904 IS2473HJ
P904
J904
SW PCB (1/2)
ALARM ON/OFF
ALARM PRESET
DISPLAY MODE
CLEAR
S902
S901
S802
S801
AUTO REVERSE
S803
D807 IS2473HJ
P820
J820
D812~D814 : LT9230H
R370 560
LED PCB
RECORD
STOP
PAUSE
REC MUTE
CPS
START MEMO
STOP MEMO
FADE IN
FADE OUT
FADE OUT
FADE IN
KEY UNIT
REMOTE
LED PCB
COLON
ALARM
J903
P903
J901
P901
J810
P810
J811
P811
J813
P813
J814
P814
J815
P815
J807
P807
J808
P808
U911 10k x5
U910
U903
U901
U902
U904
U905
U906
U907
U908
U909
U803
U804
U810
U812 10k x12
U813 10k x4
U814 10k x9
U815 10k x9
U817
U801
U802
CR60 KBR-800H
CR90 KBS-200B-3P
STOP MEMO
START MEMO
CPS
REC MUTE
REW
FF
PAUSE
STOP
Q803
Q804
Q805
Q806
Q807
Q808
Q809
Q810
Q811
D808
D809
6.3V
6.0V
4.9V
5.4V
6.6V
12.0V
2.5msec
12.5msec
CONTROL PCB


POWER SW PCB
POWER
S1
Z1 4700p/250V
BRN (LIVE)
BLU (NEUTRAL)
RED 240V
VIO 220V
WHT 0V

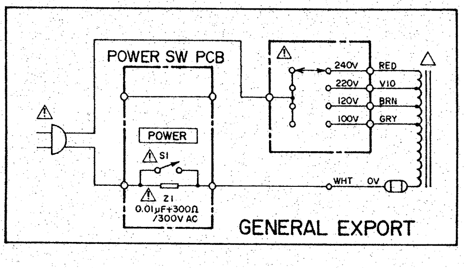
U.K.


POWER SW PCB
POWER
S1
Z1 4700p/250V
RED 240V
VIO 220V
WHT 0V

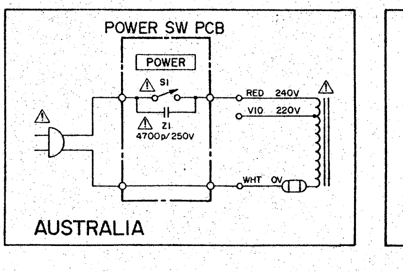
EUROPE


POWER SW PCB
POWER
S1
Z1 0.033μF+120Ω /125V AC
BRN 120V
For CANADA only
WHT 0V

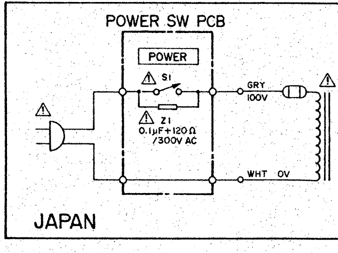
U.S.A., CANADA


POWER SW PCB
POWER
S1
Z1 0.01μF+300Ω /300V AC
240V
220V
120V
100V
RED
VIO
BRN
GRY
WHT 0V

GENERAL EXPORT


POWER SW PCB
POWER
S1
Z1 4700p/250V
RED 240V
VIO 220V
WHT 0V

AUSTRALIA


POWER SW PCB
POWER
S1
Z1 0.1μF+120Ω /300V AC
GRY 100V
WHT 0V

JAPAN

CONTROL PCB

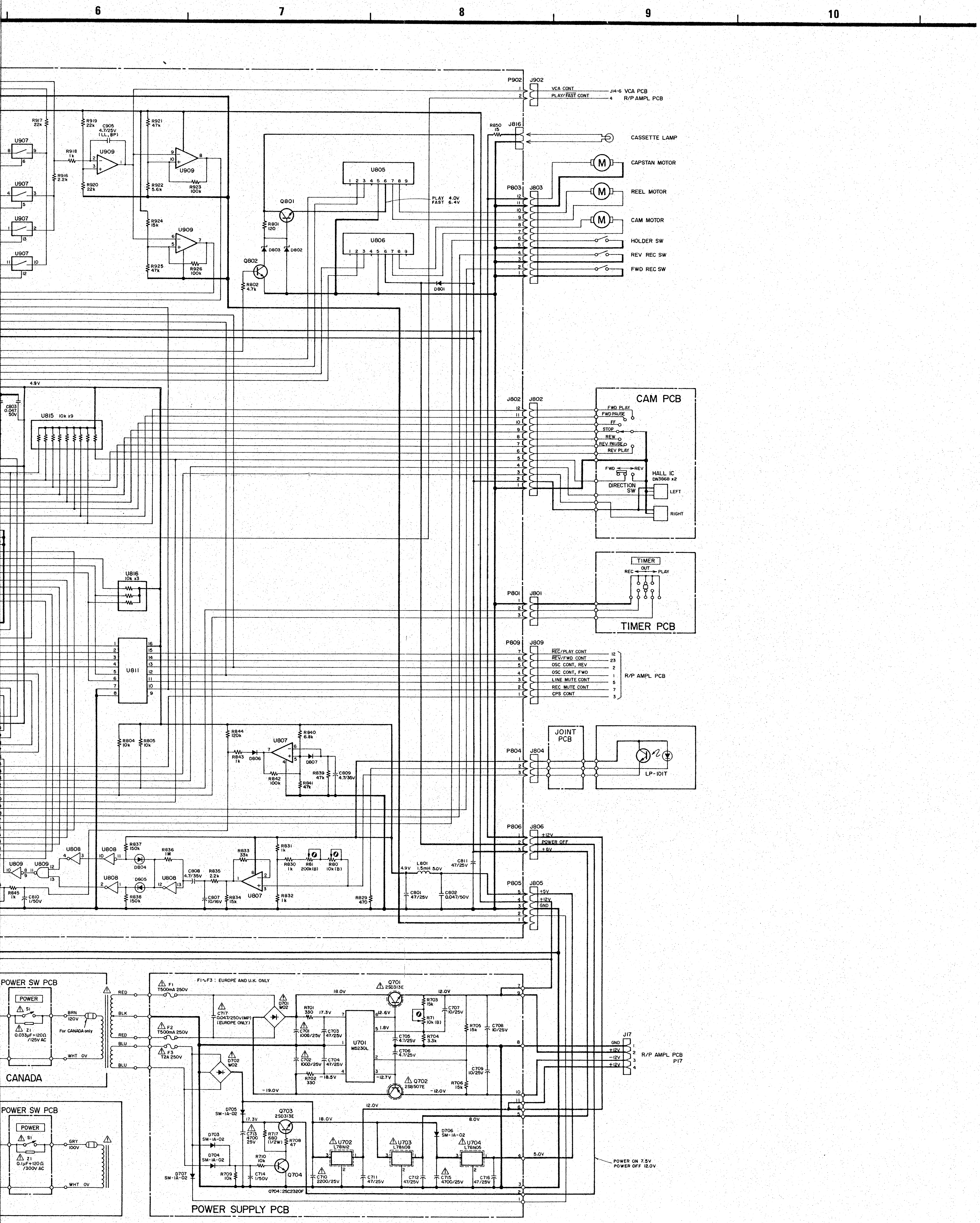
U801	LM6402H-166	U901	TC4001BP	Q801	2SD400 E,F	D801	ISR35-200H
U802	LM6402H-167	U902	TC4001BP	Q802	2SC1815GR	D802	HZ7B2L
U803	LC7800	U903	TC4011BP	Q803	2SC1815GR	D803	RD4.7EB2
U804	LB1475	U904	TC4011BP	Q804	2SC1815GR	D804	SLP135B
U805	BA6208	U905	TC4013BP	Q805	2SA1015GR	D805	SLP135B
U806	BA6208	U906	TC4001BP	Q806	2SA950Y	D806	IS2473HJ
U807	LM358	U907	TC4066BP	Q807	2SA950Y	D807	IS2473HJ
U808	TC4069BP	U908	TC4011BP	Q808	2SA950Y	D808	ISR35-200H
U809	TC4011BP	U909	LM324N	Q809	2SA950Y	D809	RD4.2EB2
U810	TD62504	U910	TD62504	Q810	2SA950Y		
U811	TC5066	U911		Q811	2SC1815GR	D901	IS2473HJ
U812	10k x12					D902	IS2473HJ
U813	10k x4					D903	IS2473HJ
U814	10k x9						
U815	10k x9						
U816	10k x3						
U817	DTC124N						

NOTES

1. Resistor values are in ohms (k=kilo-ohms M=megohms).
2. All capacitor values are in microfarads (p=picofarads).
3. All non-polarized capacitors are ±5% Mylar, unless otherwise noted. Voltage and level values are values of actural measurement.
   0 dB=0.775V
4. ▭ : Front panel indication
5. ⬚ : Rear panel indication
6. ——— +B power supply circuit
7. ——— −B power supply circuit
8. ⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components.
   Refer to the appropriate parts list to ensure exact replacement.

INSTRUCTIONS FOR SERVICE PERSONNEL

BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.


6
7
8
9
10
P902
J902
VCA CONT
PLAY/FAST CONT
J14-6 VCA PCB
4 R/P AMPL PCB
J816
CASSETTE LAMP
CAPSTAN MOTOR
REEL MOTOR
CAM MOTOR
HOLDER SW
REV REC SW
FWD REC SW
P803
J803
U805
U806
PLAY 4.0V
FAST 6.4V
Q801
Q802
U907
U909
U815 10k x9
U816 10k x3
U811
U807
U808
U809
J802
P802
CAM PCB
FWD PLAY
FWD PAUSE
FF
STOP
REW
REV PAUSE
REV PLAY
FWD
REV
HALL IC DN3868 x2
DIRECTION SW
LEFT
RIGHT
TIMER
REC
OUT
PLAY
TIMER PCB
P801
J801
P809
J809
REC/PLAY CONT
REV/FWD CONT
OSC CONT, REV
OSC CONT, FWD
LINE MUTE CONT
REC MUTE CONT
CPS CONT
R/P AMPL PCB
P804
J804
JOINT PCB
LP-101T
P806
J806
+12V
POWER OFF
+8V
P805
J805
+5V
+12V
GND
POWER SW PCB
POWER
S1
Z1
0.033μF+120Ω /125V AC
For CANADA only
BRN 120V
WHT 0V
CANADA
0.1μF+120Ω /300V AC
GRY 100V
F1~F3 : EUROPE AND U.K. ONLY
F1 T500mA 250V
F2 T500mA 250V
F3 T2A 250V
RED
BLK
BLU
C717 0.047/250V(IMP) (EUROPE ONLY)
D701 W02
D702 W02
Q701 2SD313E
Q702 2SB507E
U701 M5230L
Q703 2SD313E
Q704
Q704:2SC2320F
U702 L78M12
U703 L78N08
U704 L78N05
J17
GND
+12V
-12V
+12V
R/P AMPL PCB P17
POWER ON 7.5V
POWER OFF 12.0V
POWER SUPPLY PCB

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cement.

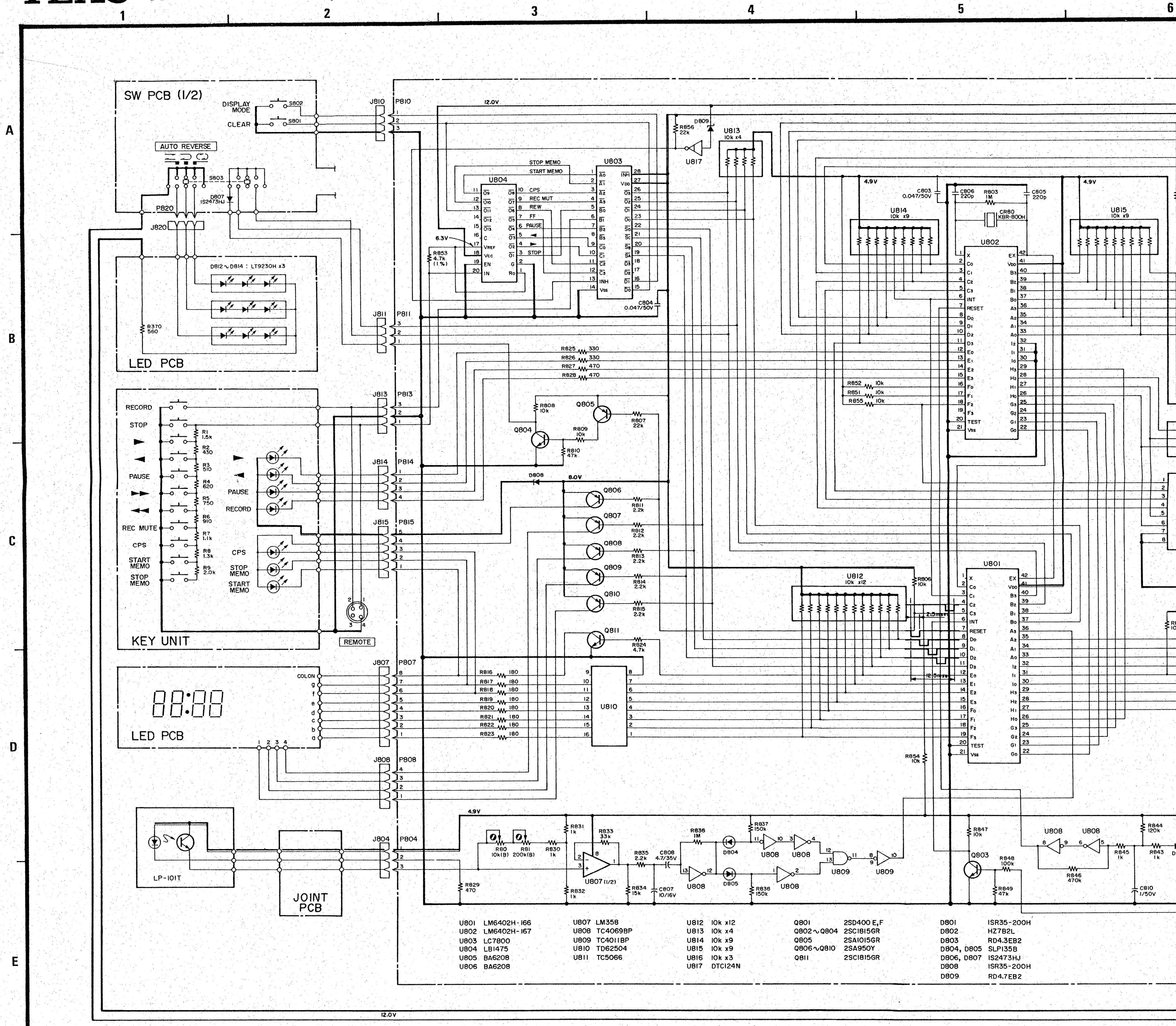
注

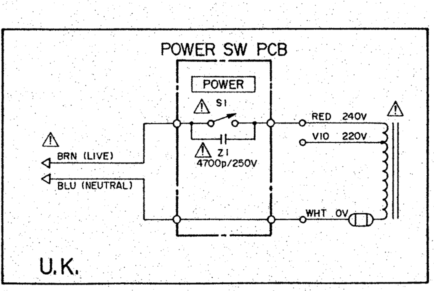
1. 抵抗の単位はΩ(k=kΩ, M=MΩ)です.
2. コンデンサの単位はμF(p=pF)です.
3. 特に指定のない無極性コンデンサは, 偏差±5%のマイラコンデンサです.
   電圧及びレベルは参考値です.
   0 dB=0.775V
4. ▭：フロント・パネル上の表示
5. ⬚：リア・パネル上の表示
6. ――――：＋B電源回路
7. ――――：－B電源回路
8. ⚠マークのある部品は安全重要部品です.
   交換するときは必ずティアック指定の部品を使用してください.

V-909RX

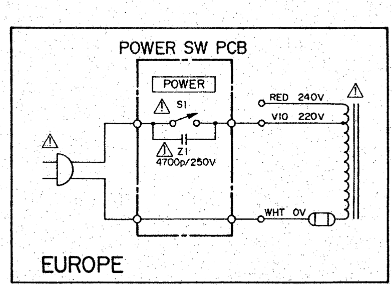
Auto-Reverse Stereo Cassette Deck

TEAC SCHEMATIC DIAGRAM (CONTROL) V-707RX/V-707R

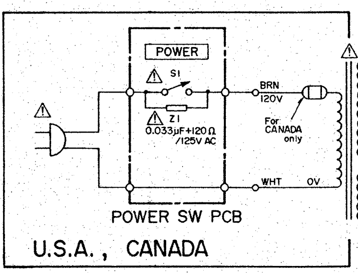

1
2
3
4
5
6
A
B
C
D
E
SW PCB (1/2)
DISPLAY MODE
CLEAR
S802
S801
AUTO REVERSE
S803
D807 IS2473HJ
P820
J820
D812∿D814 : LT9230H x3
R370 560
LED PCB
RECORD
STOP
PAUSE
REC MUTE
CPS
START MEMO
STOP MEMO
KEY UNIT
REMOTE
COLON
LED PCB
LP-101T
JOINT PCB
J810
P810
J811
P811
J813
P813
J814
P814
J815
P815
J807
P807
J808
P808
J804
P804
12.0V
U804
U803
STOP MEMO
START MEMO
CPS
REC MUT
REW
FF
PAUSE
STOP
6.3V
R853 4.7k (1%)
C804 0.047/50V
R856 22k
D809
U813 10k x4
U817
4.9V
C803 0.047/50V
C806 220p
R803 1M
C805 220p
CR801 KBR-800H
U814 10k x9
U815 10k x9
U802
R852 10k
R851 10k
R855 10k
R825 330
R826 330
R827 470
R828 470
R808 10k
Q805
Q804
R809 10k
R810 47k
R807 22k
D808
8.0V
Q806
Q807
Q808
Q809
Q810
Q811
R811 2.2k
R812 2.2k
R813 2.2k
R814 2.2k
R815 2.2k
R824 4.7k
U812 10k x12
R806 10k
U801
2.5mm
R816 180
R817 180
R818 180
R819 180
R820 180
R821 180
R822 180
R823 180
U810
R854 10k
4.9V
R80 10k(B)
R81 200k(B)
R830 1k
R829 470
R831 1k
R832 1k
R833 33k
U807 (1/2)
R834 15k
R835 2.2k
C808 4.7/35V
C807 10/16V
R836 1M
R837 150k
R838 150k
D804
D805
U808
U809
R847 10k
Q803
R848 100k
R849 47k
R845 1k
R846 470k
R843 1k
R844 120k
C810 1/50V
U801 LM6402H-166
U802 LM6402H-167
U803 LC7800
U804 LB1475
U805 BA6208
U806 BA6208
U807 LM358
U808 TC4069BP
U809 TC4011BP
U810 TD62504
U811 TC5066
U812 10k x12
U813 10k x4
U814 10k x9
U815 10k x9
U816 10k x3
U817 DTC124N
Q801 2SD400 E,F
Q802∿Q804 2SC1815GR
Q805 2SA1015GR
Q806∿Q810 2SA950Y
Q811 2SC1815GR
D801 ISR35-200H
D802 HZ7B2L
D803 RD4.3EB2
D804, D805 SLP135B
D806, D807 IS2473HJ
D808 ISR35-200H
D809 RD4.7EB2
12.0V


POWER SW PCB
POWER
S1
Z1 4700p/250V
BRN (LIVE)
BLU (NEUTRAL)
RED 240V
VIO 220V
WHT 0V

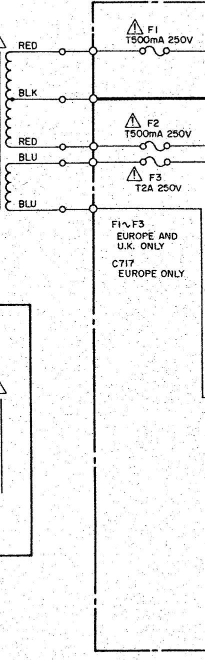
U.K.

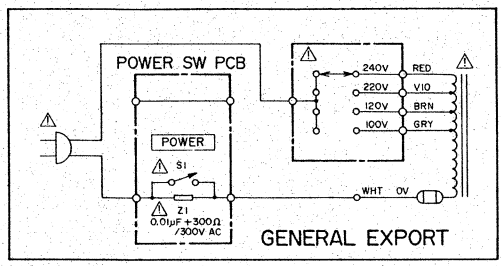

POWER SW PCB
POWER
S1
Z1 4700p/250V
RED 240V
VIO 220V
WHT 0V

EUROPE

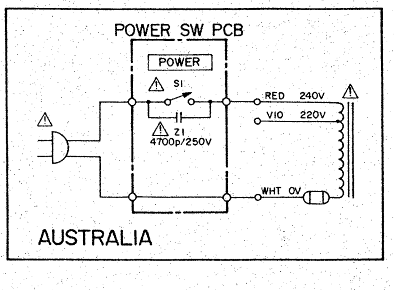

POWER
S1
Z1 0.033μF+120Ω /125V AC
BRN 120V
For CANADA only
WHT 0V
POWER SW PCB

U.S.A., CANADA

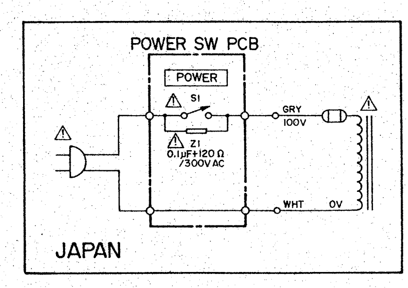

RED
BLK
RED
BLU
BLU
F1 T500mA 250V
F2 T500mA 250V
F3 T2A 250V
F1∿F3 EUROPE AND U.K. ONLY
C717 EUROPE ONLY


POWER SW PCB
POWER
S1
Z1 0.01μF+300Ω /300V AC
240V
220V
120V
100V
RED
VIO
BRN
GRY
WHT 0V

GENERAL EXPORT


POWER SW PCB
POWER
S1
Z1 4700p/250V
RED 240V
VIO 220V
WHT 0V

AUSTRALIA


POWER SW PCB
POWER
S1
Z1 0.1μF+120Ω /300V AC
GRY 100V
WHT 0V

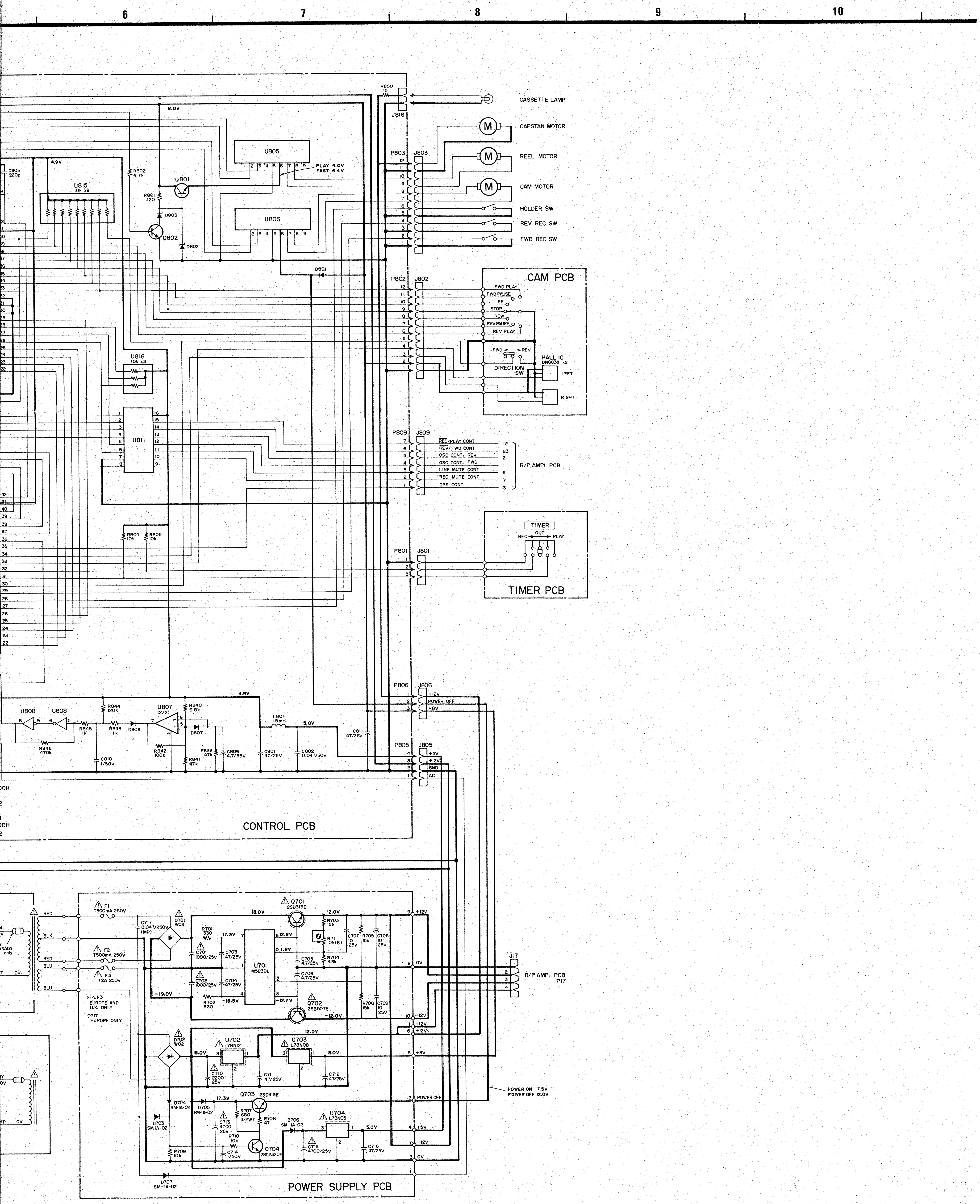
JAPAN

NOTES

1. Resistor values are in ohms (k=kilo-ohms M=megohms).
2. All capacitor values are in microfarads (p=picofarads).
3. All non-polarized capacitors are ±5% Mylar, unless otherwise noted. Voltage and level values are values of actural measurement.
   0 dB=0.775V
4. ▭ : Front panel indication
5. ⬚ : Rear panel indication
6. ——— +B power supply circuit
7. ——— −B power supply circuit
8. ⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components.
   Refer to the appropriate parts list to ensure exact replacement.

INSTRUCTIONS FOR SERVICE PERSONNEL

BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.


6
7
8
9
10
CASSETTE LAMP
CAPSTAN MOTOR
REEL MOTOR
CAM MOTOR
HOLDER SW
REV REC SW
FWD REC SW
CAM PCB
FWD PLAY
FWD PAUSE
FF
STOP
REW
REV PAUSE
REV PLAY
FWD
REV
DIRECTION SW
HALL IC DN6838 x2
LEFT
RIGHT
R/P AMPL PCB
REC/PLAY CONT
REV/FWD CONT
OSC CONT. REV
OSC CONT. FWD
LINE MUTE CONT
REC MUTE CONT
CPS CONT
TIMER
OUT
REC
PLAY
TIMER PCB
U805
U806
U815 10k x9
U816 10k x3
U811
U807 (2/2)
U808
Q801
Q802
PLAY 4.0V
FAST 6.4V
8.0V
4.9V
5.0V
CONTROL PCB
+12V
POWER OFF
+8V
+5V
GND
AC
R/P AMPL PCB P17
J17
Q701 2SD313E
Q702 2SB507E
U701 M5230L
U702 L78N12
U703 L78N08
U704 L78N05
Q703 2SD313E
Q704 2SC2320F
F1 T500mA 250V
F2 T500mA 250V
F3 T2A 250V
F1~F3 EUROPE AND U.K. ONLY
C717 EUROPE ONLY
RED
BLK
BLU
POWER ON 7.5V
POWER OFF 12.0V
POWER SUPPLY PCB

注 1. 抵抗の単位はΩ(k=kΩ, M=MΩ)です.

2. コンデンサの単位はμF(p=pF)です.

3. 特に指定のない無極性コンデンサは, 偏差±5%のマイラコンデンサです.
電圧及びレベルは参考値です.
0 dB=0.775V

4. ▭: フロント・パネル上の表示

5. ⬚: リア・パネル上の表示

6. ———: +B電源回路

7. ———: −B電源回路

8. ⚠マークのある部品は安全重要部品です.
交換するときは必ずティアック指定の部品を使用してください.

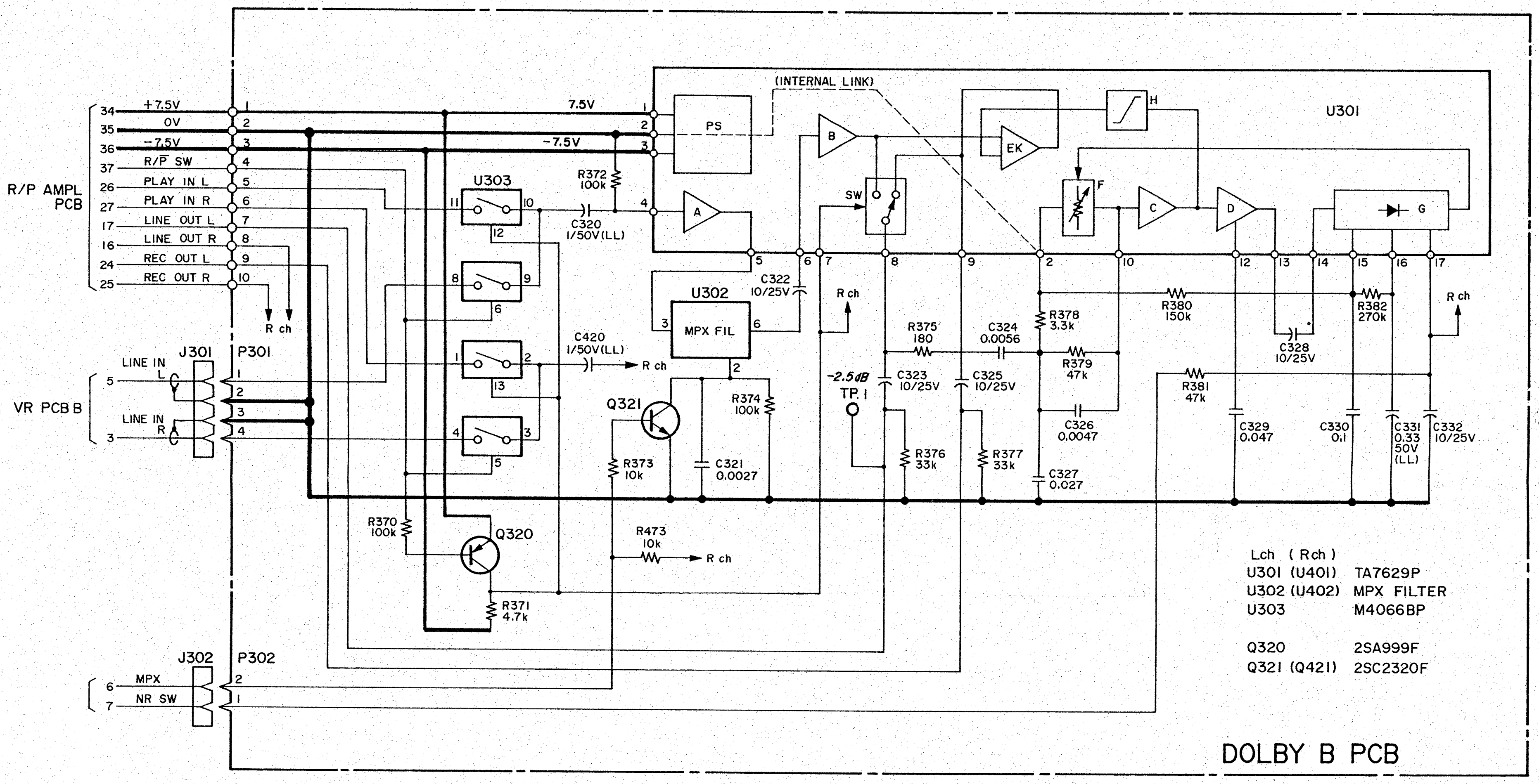
megohms).
ofarads).
nless otherwise noted.
measurement.

tical components. They
nents.
xact replacement.

V-707RX/V-707R

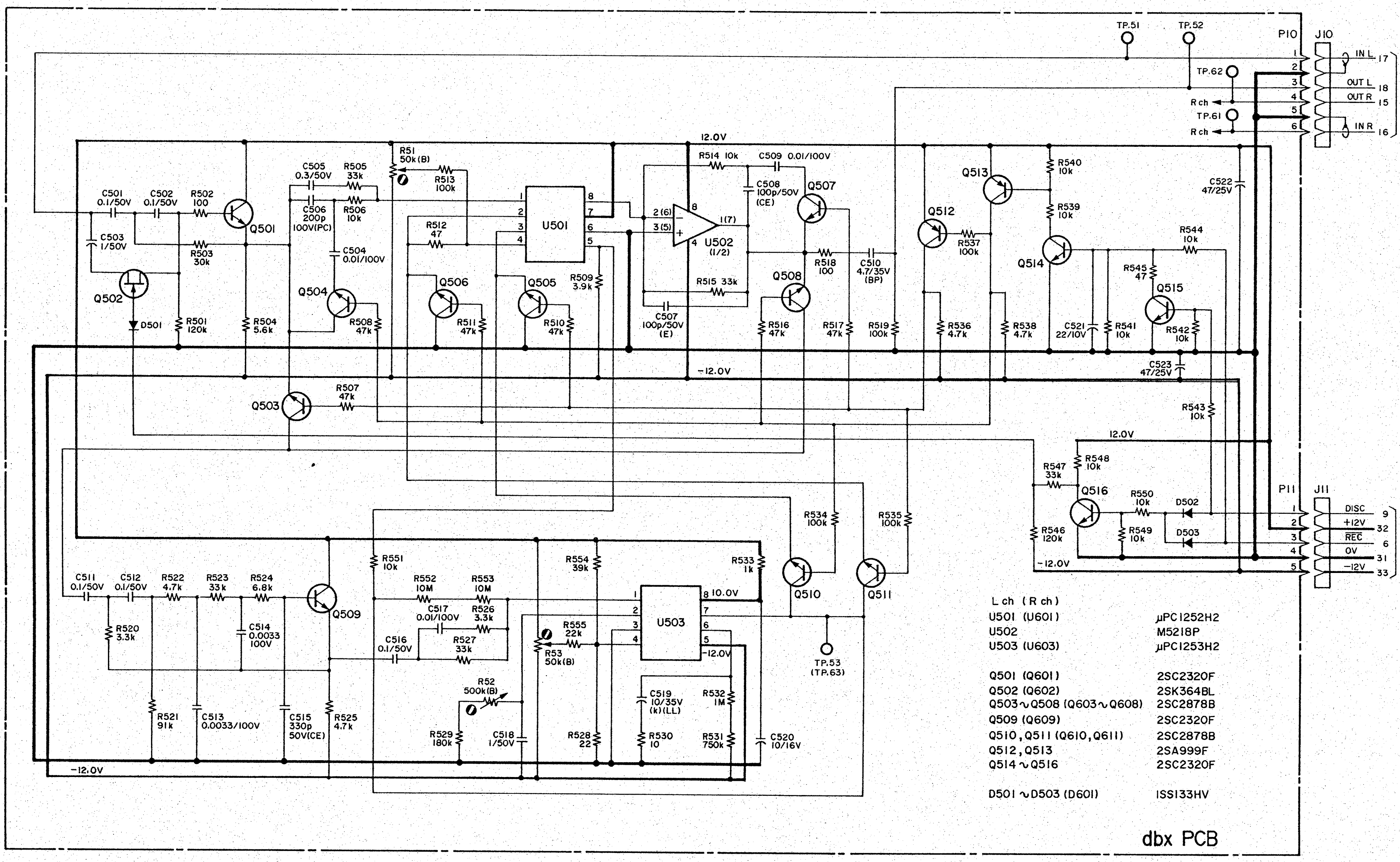
Auto-Reverse Stereo Cassette Deck

DOLBY B PCB (V-707RX)


R/P AMPL PCB
34 +7.5V 1
35 0V 2
36 -7.5V 3
37 R/P SW 4
26 PLAY IN L 5
27 PLAY IN R 6
17 LINE OUT L 7
16 LINE OUT R 8
24 REC OUT L 9
25 REC OUT R 10
R ch
VR PCB B
LINE IN L
LINE IN R
J301
P301
J302
P302
MPX
NR SW
7.5V
-7.5V
(INTERNAL LINK)
PS
A
B
EK
SW
H
F
C
D
G
U301
U303
U302
MPX FIL
R372 100k
C320 1/50V(LL)
C322 10/25V
C420 1/50V(LL)
Q321
R374 100k
R373 10k
C321 0.0027
R370 100k
Q320
R371 4.7k
R473 10k
-2.5dB TP 1
R375 180
C323 10/25V
R376 33k
C324 0.0056
C325 10/25V
R377 33k
R378 3.3k
R379 47k
C326 0.0047
C327 0.027
R380 150k
R381 47k
C328 10/25V
R382 270k
C329 0.047
C330 0.1
C331 0.33 50V (LL)
C332 10/25V
DOLBY B PCB

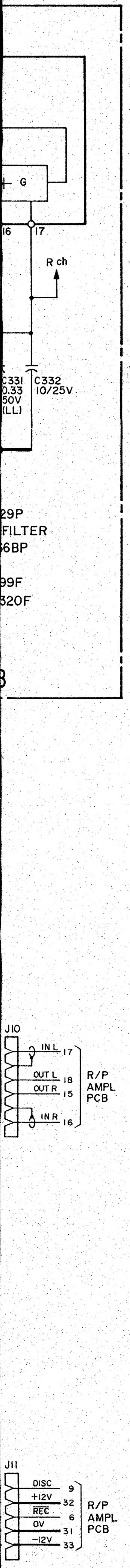
Lch (Rch)	
U301 (U401)	TA7629P
U302 (U402)	MPX FILTER
U303	M4066BP
Q320	2SA999F
Q321 (Q421)	2SC2320F

DBX PCB (V-909RX/V-707RX)

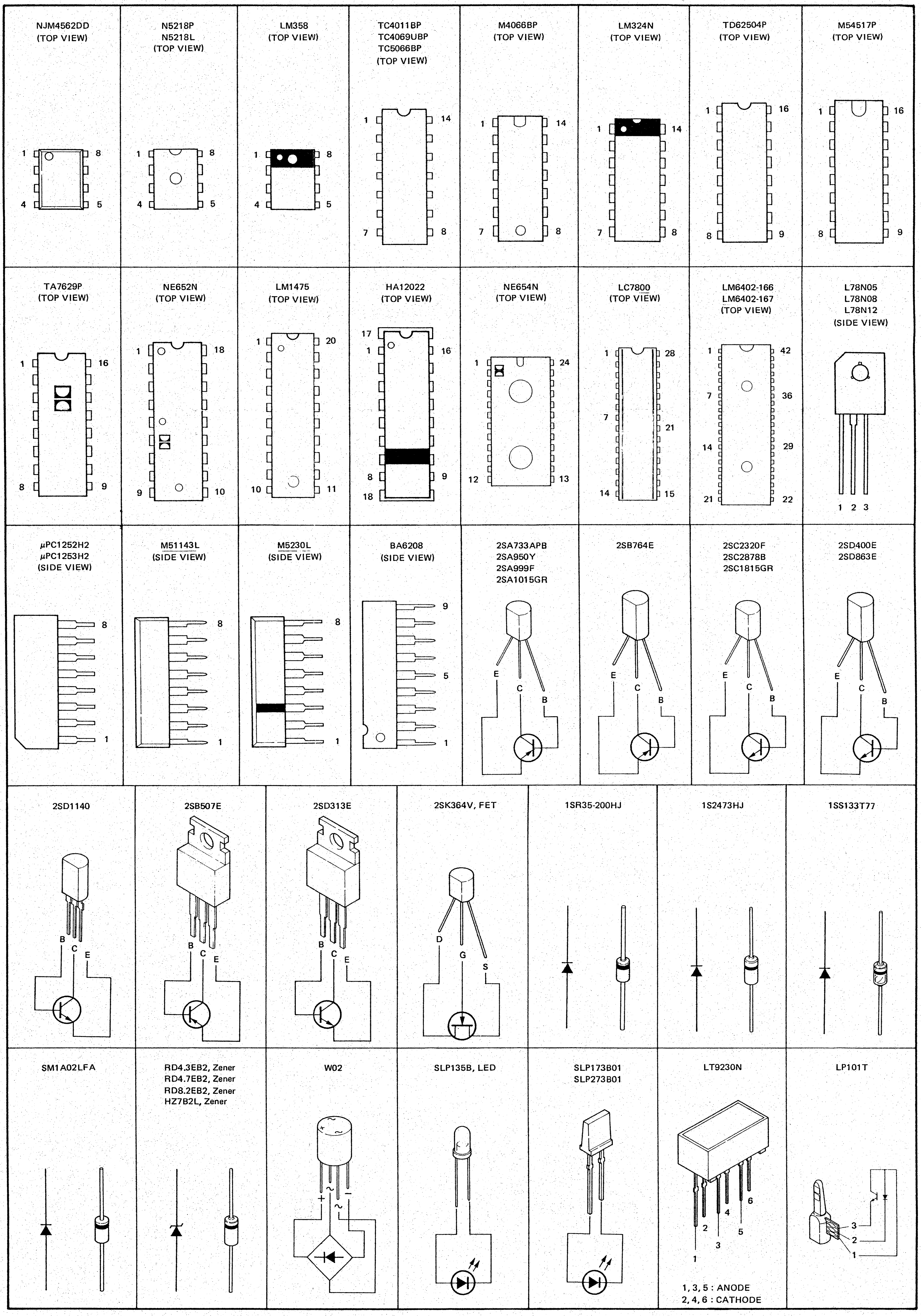

TP.51
TP.52
TP.62
TP.61
P10
J10
IN L 17
OUT L 18
OUT R 15
IN R 16
R/P AMPL PCB
R ch
12.0V
-12.0V
C501 0.1/50V
C502 0.1/50V
R502 100
C503 1/50V
R503 30k
Q501
Q502
D501
R501 120k
R504 5.6k
C505 0.3/50V
R505 33k
C506 200p 100V(PC)
R506 10k
C504 0.01/100V
Q504
R508 47k
R51 50k(B)
R513 100k
R512 47
Q506
R511 47k
Q505
R510 47k
R509 3.9k
U501
R514 10k
C509 0.01/100V
C508 100p/50V (CE)
U502 (1/2)
R515 33k
C507 100p/50V (E)
Q507
Q508
R518 100
C510 4.7/35V (BP)
R516 47k
R517 47k
R519 100k
Q512
Q513
R537 100k
R536 4.7k
R538 4.7k
R540 10k
R539 10k
Q514
C522 47/25V
R544 10k
R545 47
Q515
C521 22/10V
R541 10k
R542 10k
C523 47/25V
R543 10k
Q503
R507 47k
R547 33k
R548 10k
Q516
R550 10k
R546 120k
R549 10k
D502
D503
P11
J11
DISC 9
+12V 32
REC 6
0V 31
-12V 33
R534 100k
R535 100k
R533 1k
Q510
Q511
TP.53 (TP.63)
C511 0.1/50V
C512 0.1/50V
R522 4.7k
R523 33k
R524 6.8k
R520 3.3k
C514 0.0033 100V
Q509
R521 91k
C513 0.0033/100V
C515 330p 50V(CE)
R525 4.7k
R551 10k
R552 10M
R553 10M
C517 0.01/100V
R526 3.3k
C516 0.1/50V
R527 33k
R52 500k(B)
R529 180k
C518 1/50V
R554 39k
R555 22k
R53 50k(B)
R528 22
U503
10.0V
C519 10/35V (k)(LL)
R530 10
R532 1M
R531 750k
C520 10/16V
dbx PCB

L ch (R ch)	
U501 (U601)	µPC1252H2
U502	M5218P
U503 (U603)	µPC1253H2
Q501 (Q601)	2SC2320F
Q502 (Q602)	2SK364BL
Q503∿Q508 (Q603∿Q608)	2SC2878B
Q509 (Q609)	2SC2320F
Q510, Q511 (Q610, Q611)	2SC2878B
Q512, Q513	2SA999F
Q514∿Q516	2SC2320F
D501∿D503 (D601)	1SS133HV

6 7 8 9 10


G
16
17
R ch
C331 0.33 50V (LL)
C332 10/25V
29P
FILTER
6BP
99F
320F
J10
IN L 17
OUT L 18
OUT R 15
IN R 16
R/P AMPL PCB
J11
DISC 9
+12V 32
REC 6
0V 31
−12V 33
R/P AMPL PCB

SEMICONDUCTOR ELECTRODES


NJM4562DD (TOP VIEW)
N5218P N5218L (TOP VIEW)
LM358 (TOP VIEW)
TC4011BP TC4069UBP TC5066BP (TOP VIEW)
M4066BP (TOP VIEW)
LM324N (TOP VIEW)
TD62504P (TOP VIEW)
M54517P (TOP VIEW)
TA7629P (TOP VIEW)
NE652N (TOP VIEW)
LM1475 (TOP VIEW)
HA12022 (TOP VIEW)
NE654N (TOP VIEW)
LC7800 (TOP VIEW)
LM6402-166 LM6402-167 (TOP VIEW)
L78N05 L78N08 L78N12 (SIDE VIEW)
μPC1252H2 μPC1253H2 (SIDE VIEW)
M51143L (SIDE VIEW)
M5230L (SIDE VIEW)
BA6208 (SIDE VIEW)
2SA733APB 2SA950Y 2SA999F 2SA1015GR
2SB764E
2SC2320F 2SC2878B 2SC1815GR
2SD400E 2SD863E
E C B
2SD1140
2SB507E
2SD313E
B C E
2SK364V, FET
D G S
1SR35-200HJ
1S2473HJ
1SS133T77
SM1A02LFA
RD4.3EB2, Zener
RD4.7EB2, Zener
RD8.2EB2, Zener
HZ7B2L, Zener
W02
+ ~ ~ −
SLP135B, LED
SLP173B01
SLP273B01
LT9230N
1, 3, 5 : ANODE
2, 4, 6 : CATHODE
LP101T
1 2 3

V-909RX/V-707RX

Auto-Reverse Stereo Cassette Deck